

STATE OF THE LAND

Warren M. Lee, Natural
Resources Conservation Service
U.S. Department of Agriculture

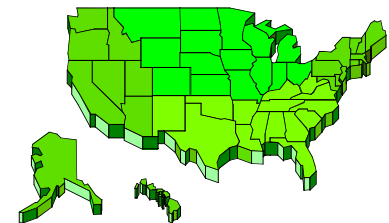
CITIZEN EXPECTATIONS

- Abundant supply of fresh vegetables, fruits and meats
- Clean, drinkable water, at the faucet in their homes
- Lakes, rivers and streams to swim and fish
- Open areas for recreation, wildlife, and scenic beauty



National Resources Inventory

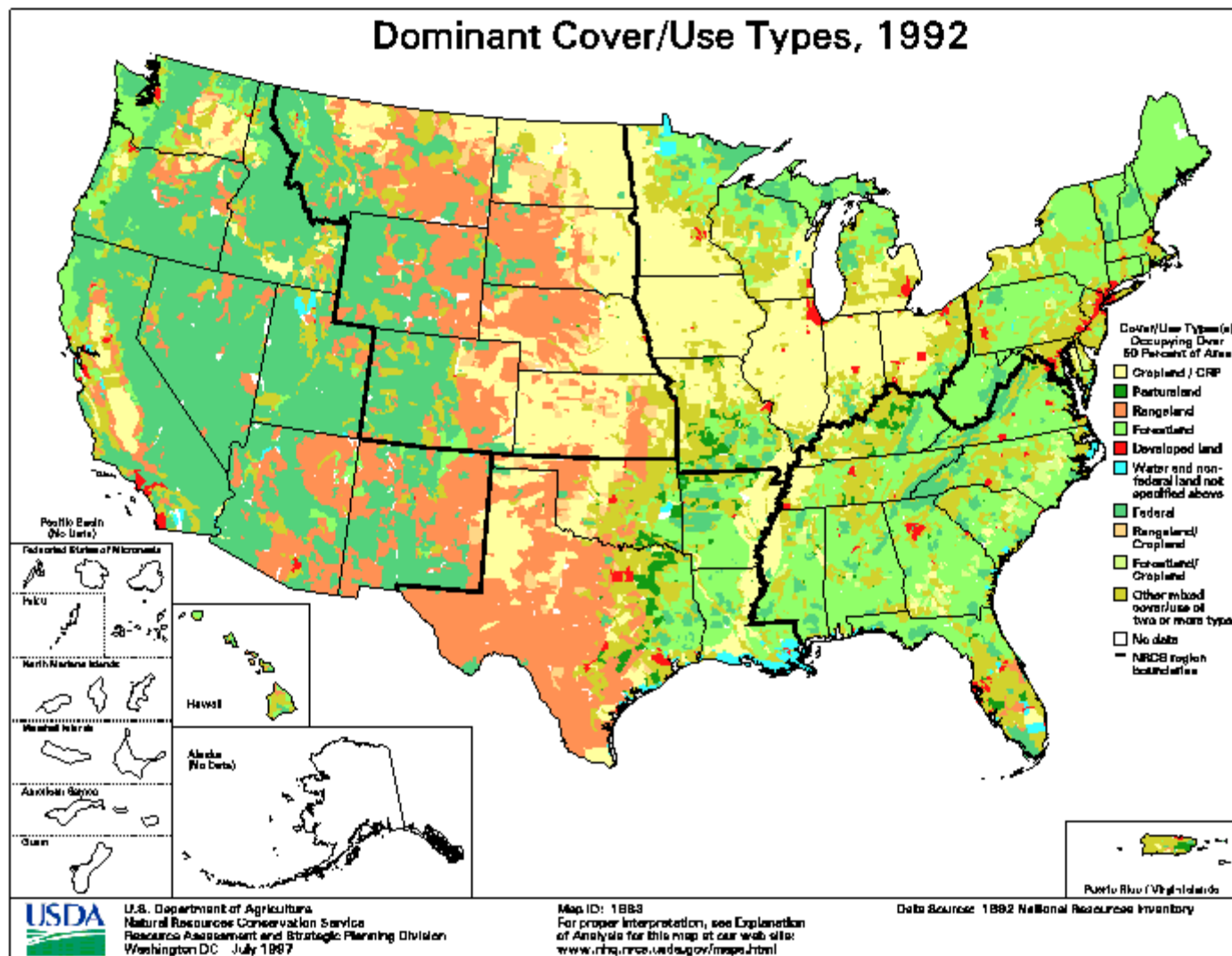
- Multi-resource inventory based on soils and other natural resources data collected at 300,000 sample sites - 800,000+ points
- Provides record of the Nation's conservation needs and accomplishments
- Completed on five year cycle since 1982

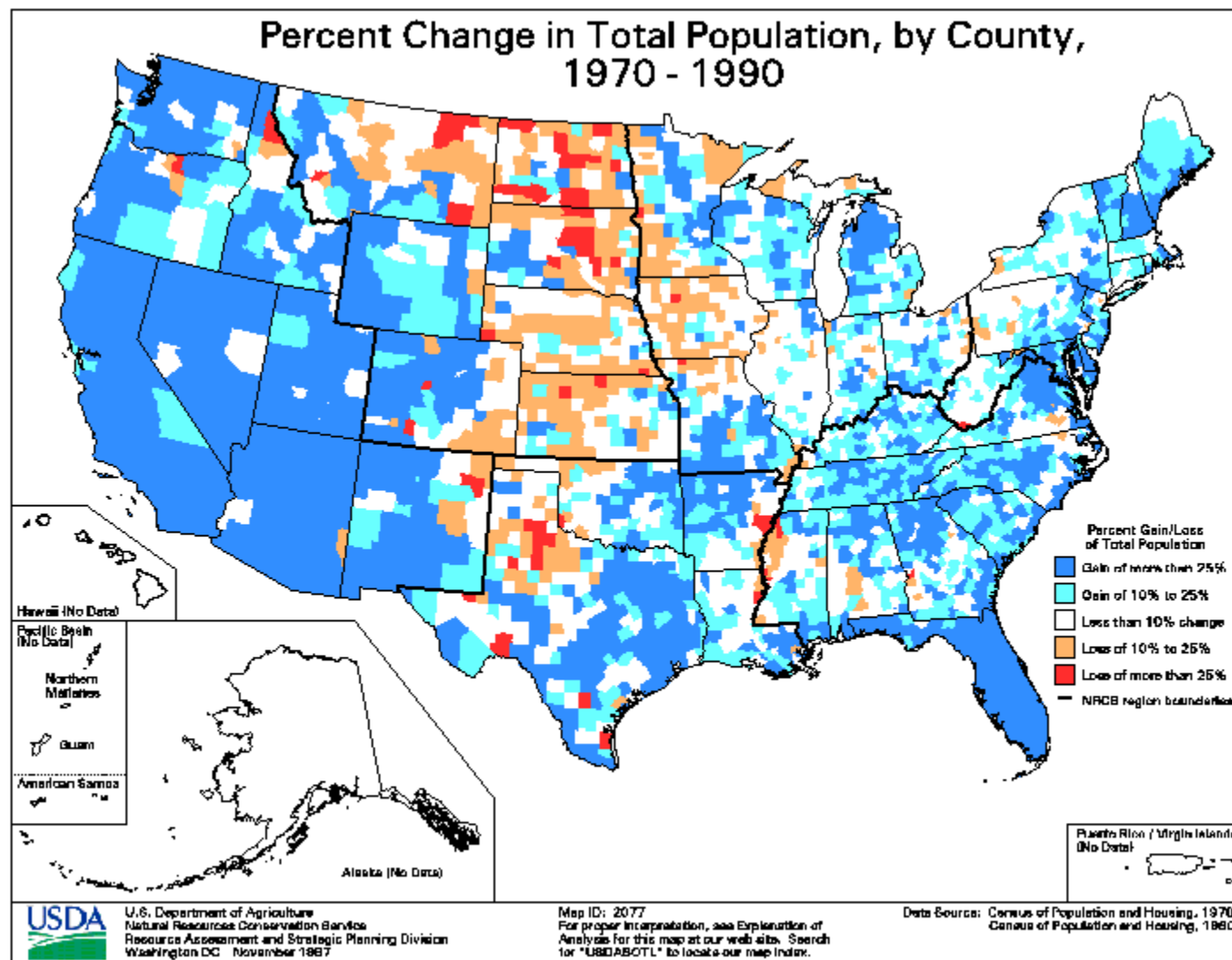


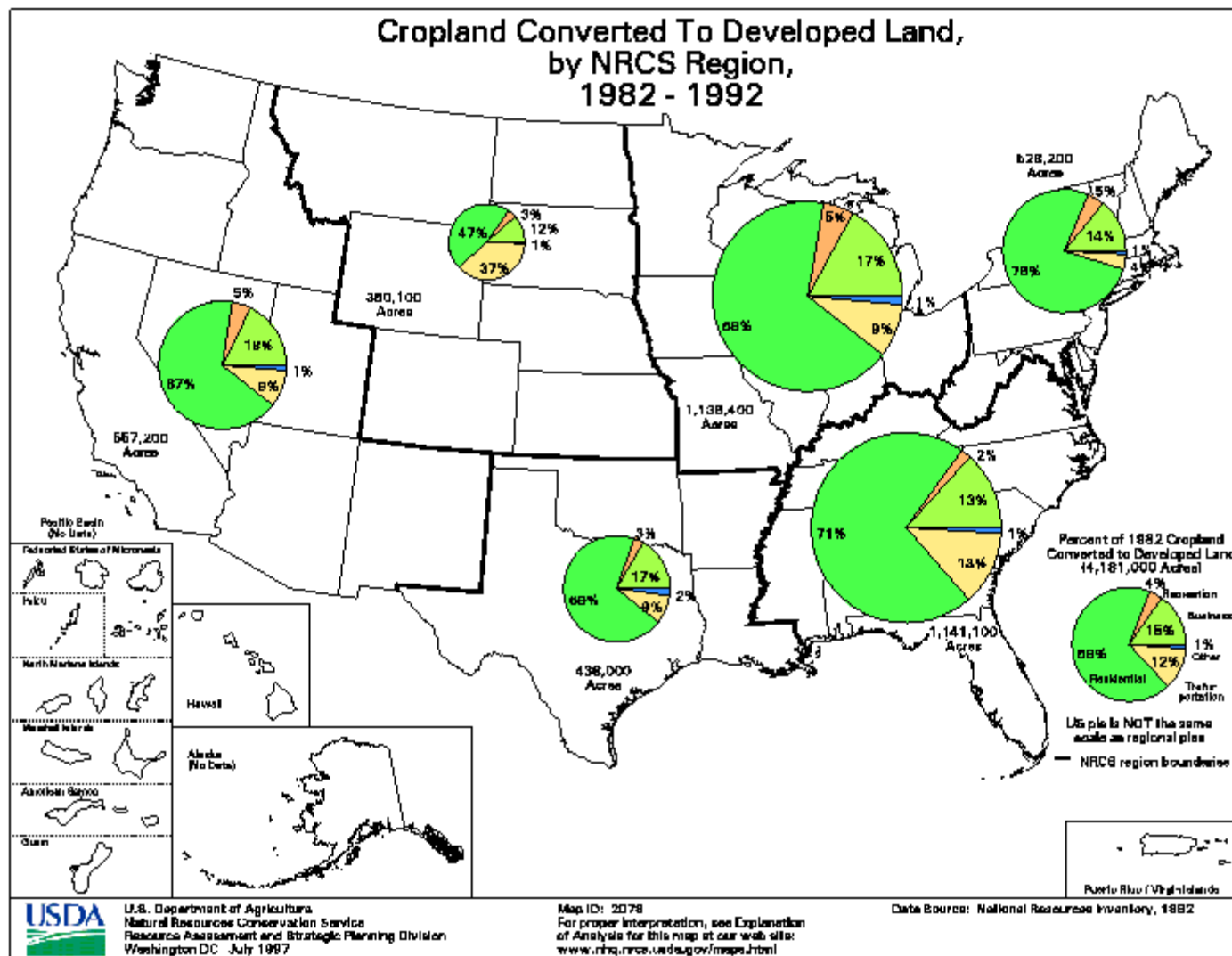
MAJOR ENVIRONMENTAL PROTECTION STATUTES

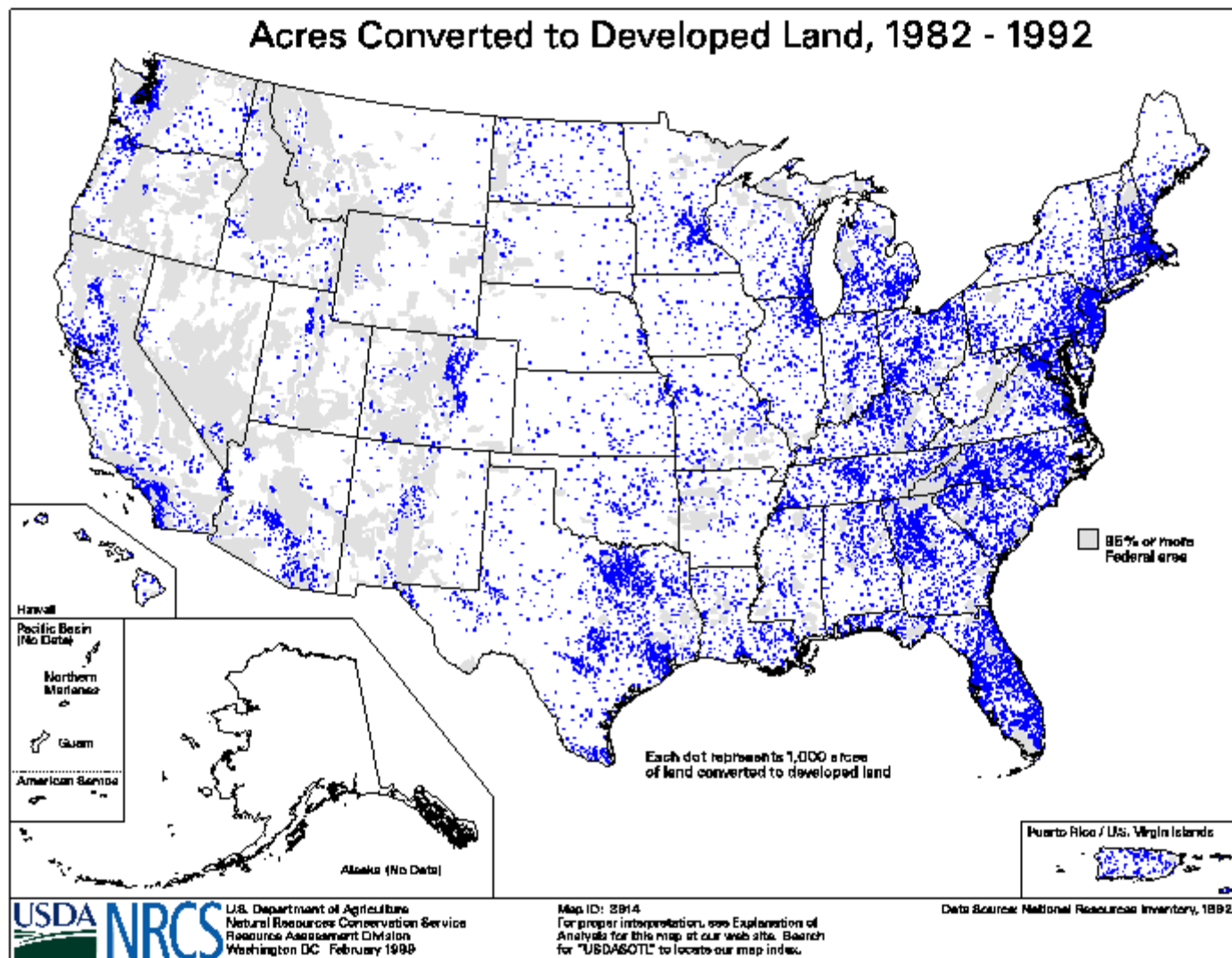
- CLEAN WATER ACT
- ENDANGERED SPECIES ACT
- FOOD SECURITY ACT of 1985, as amended

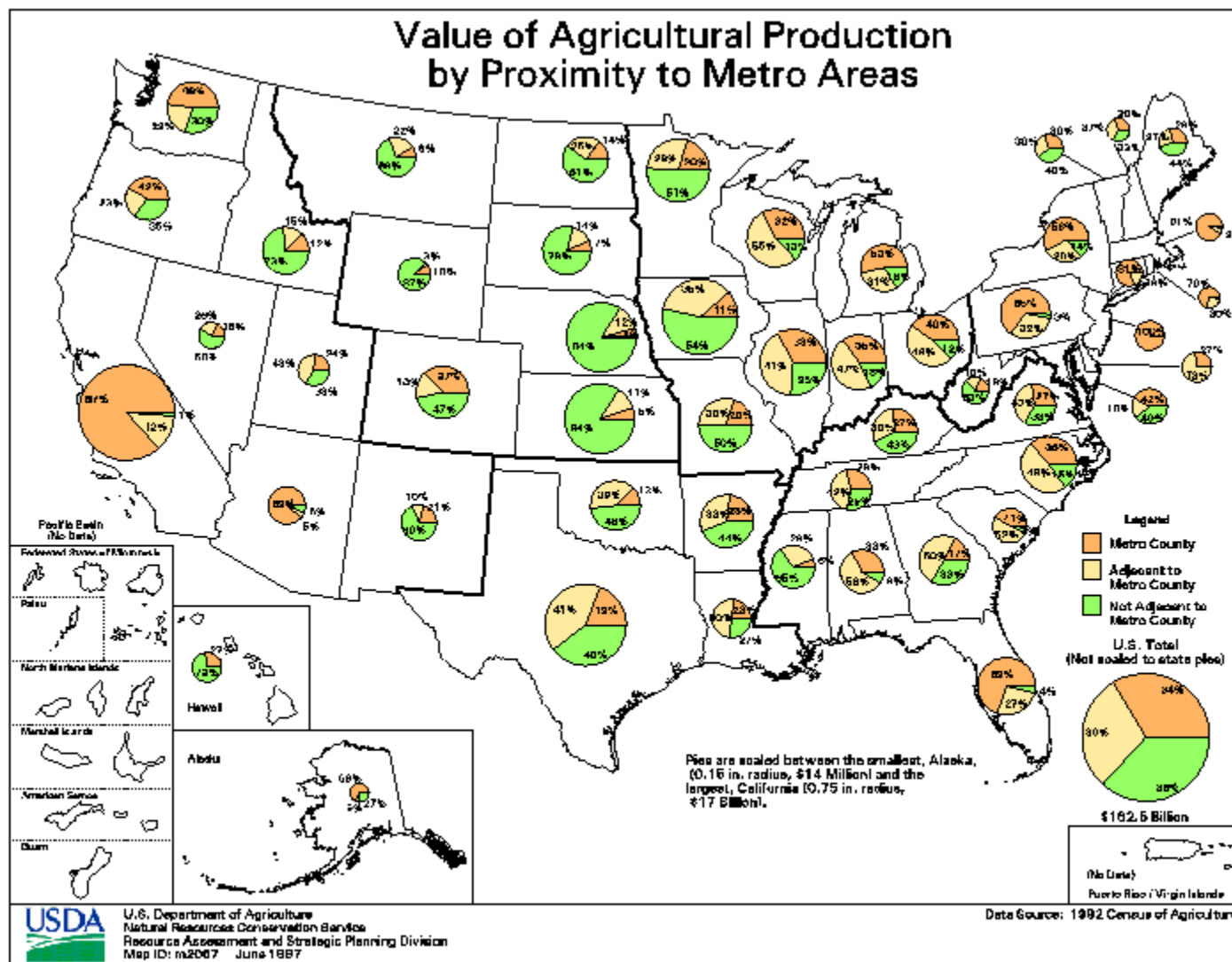


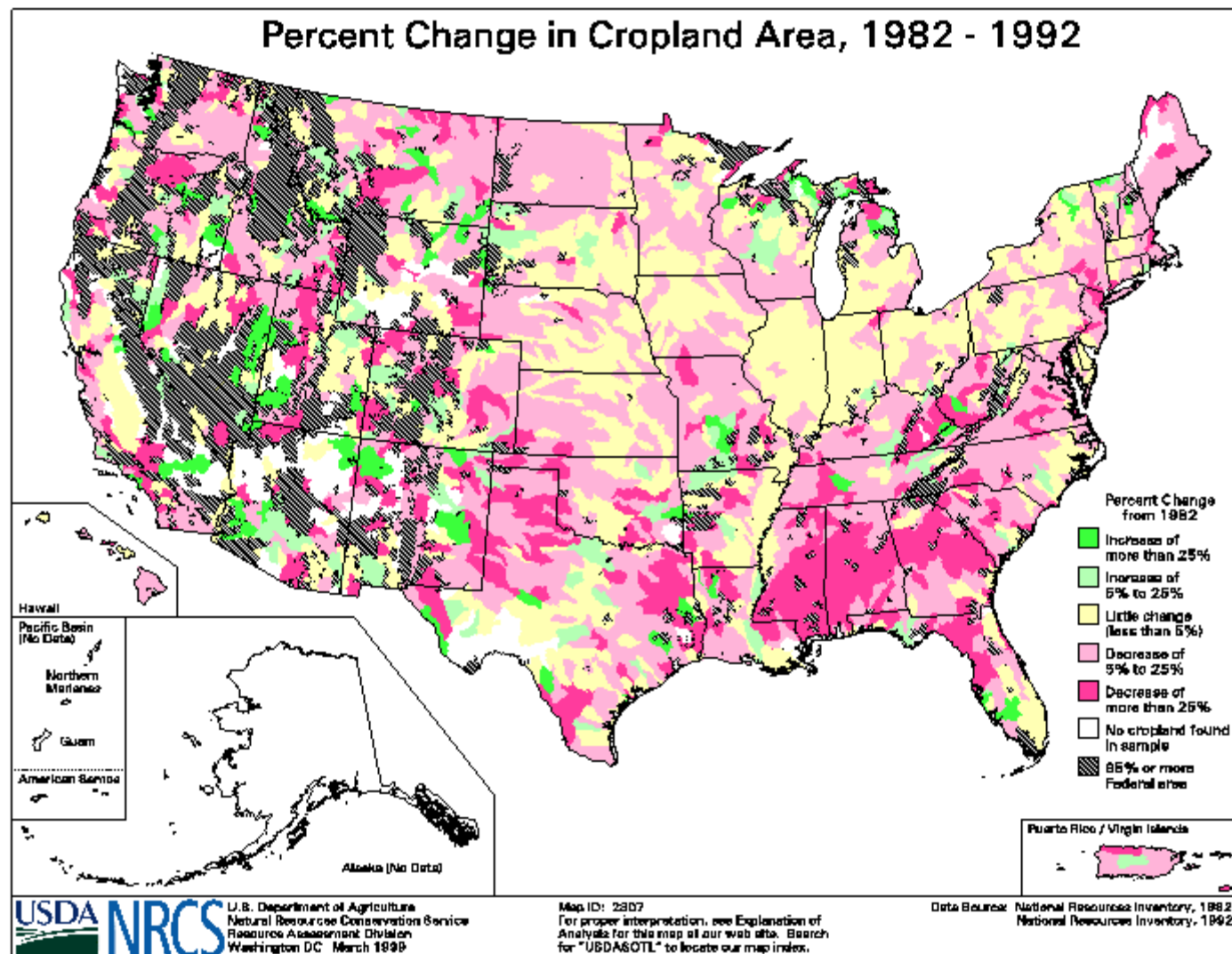


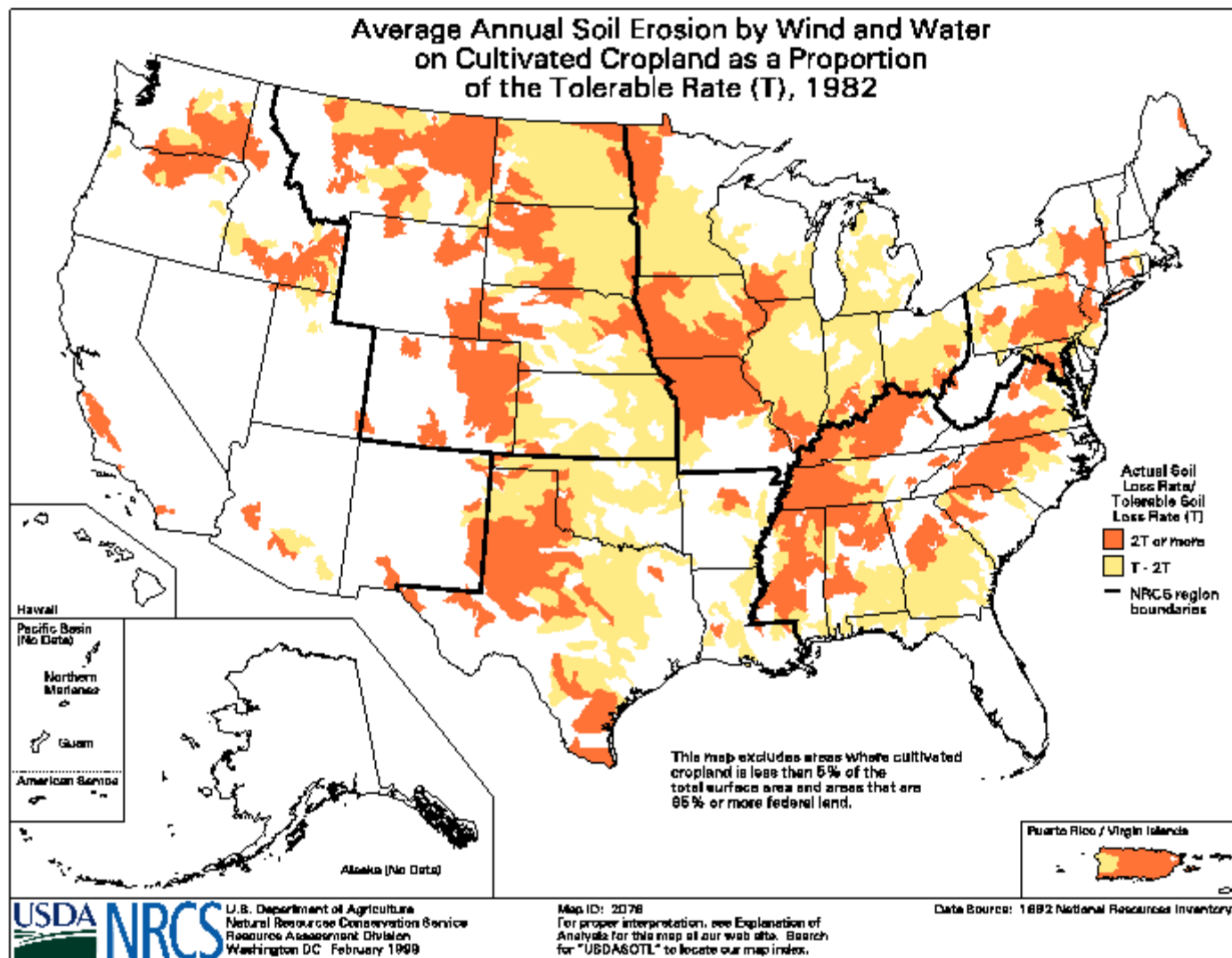


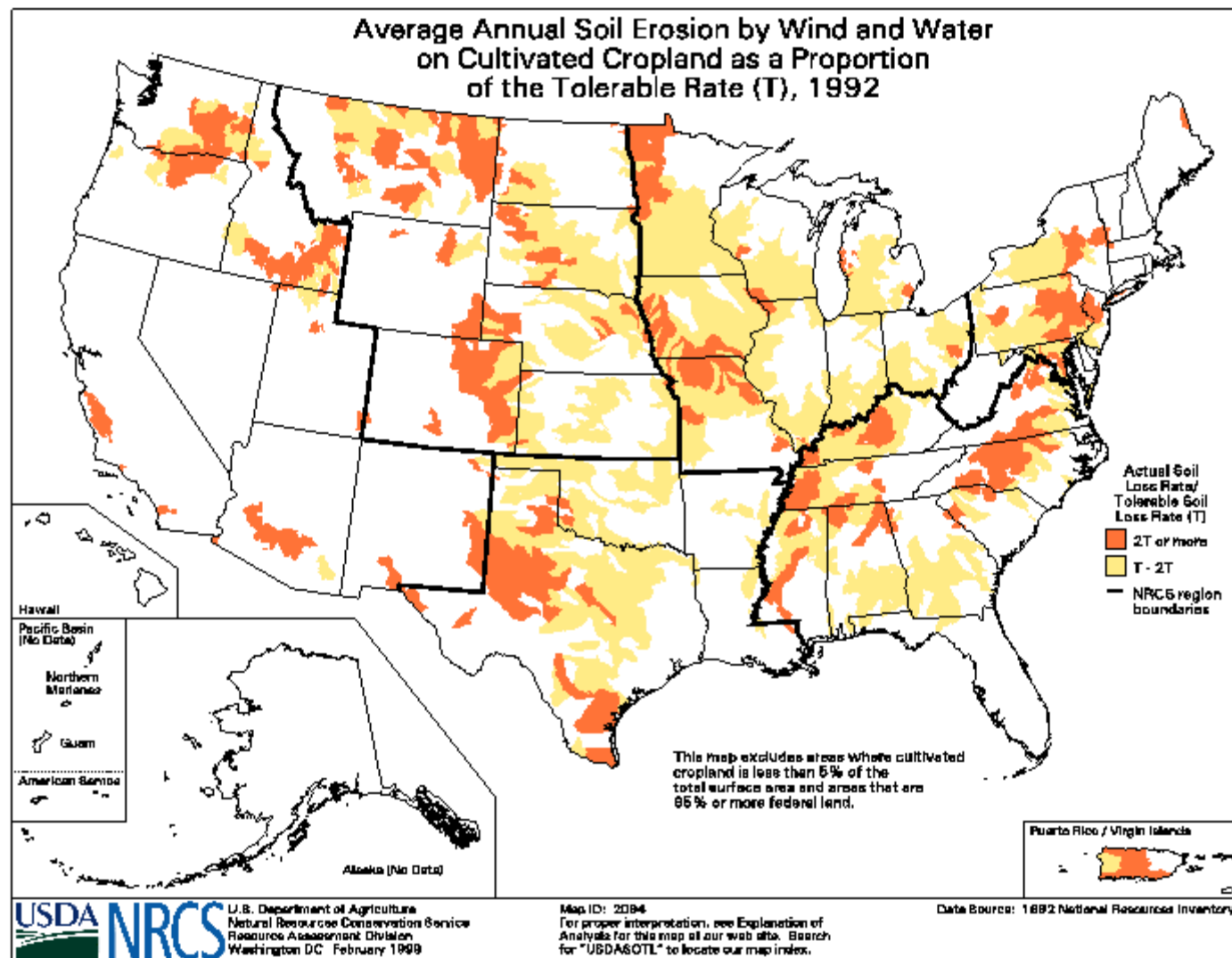


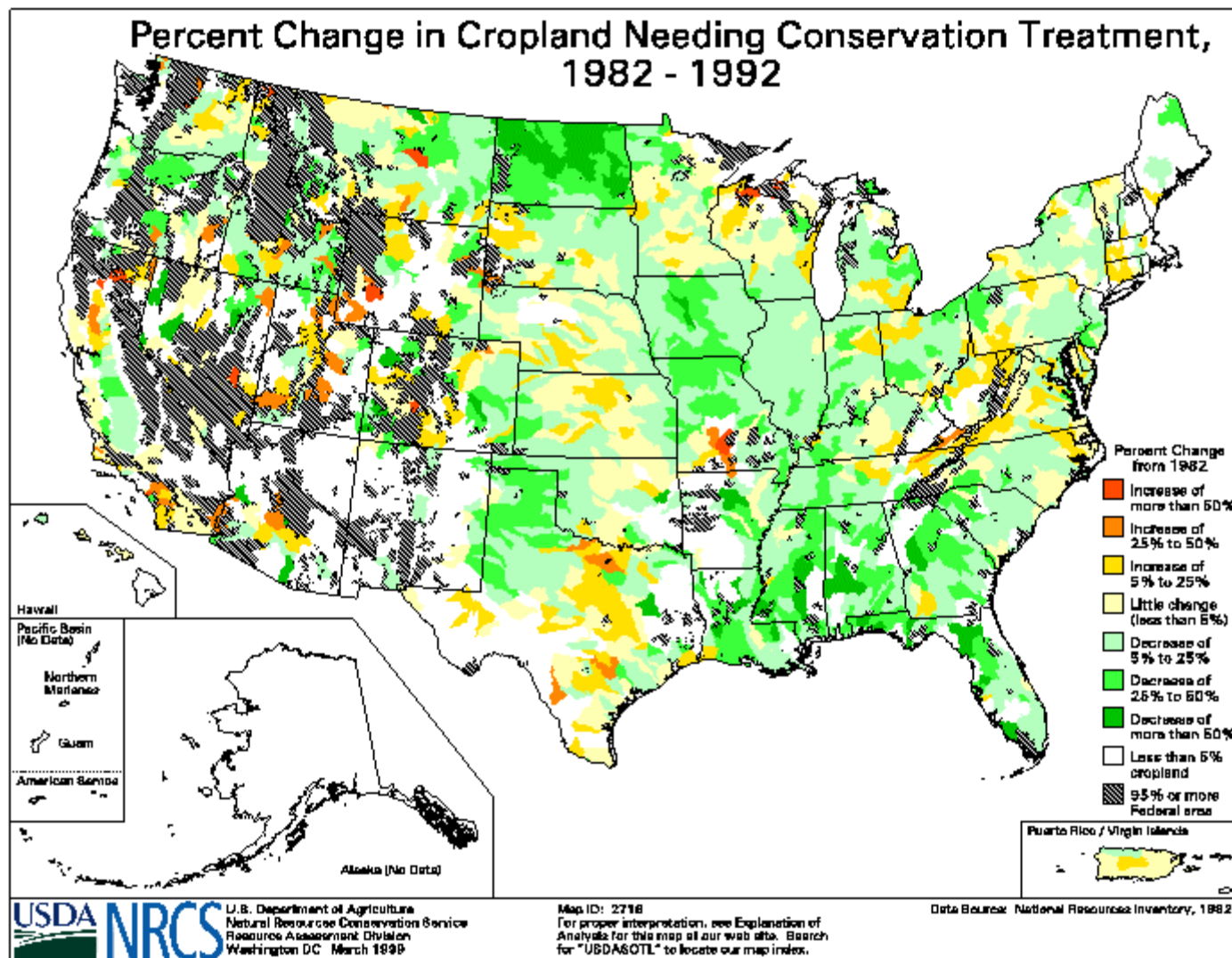


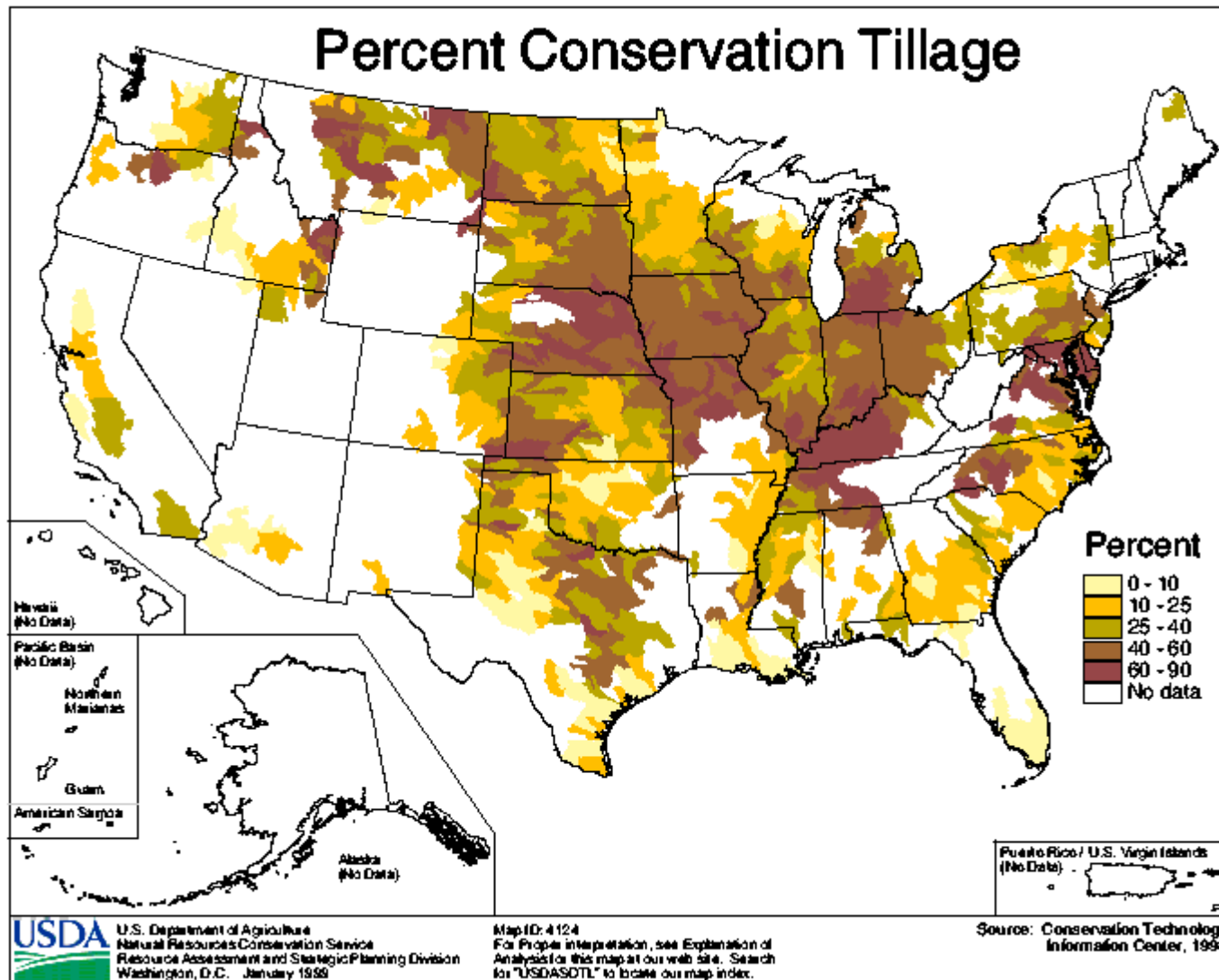


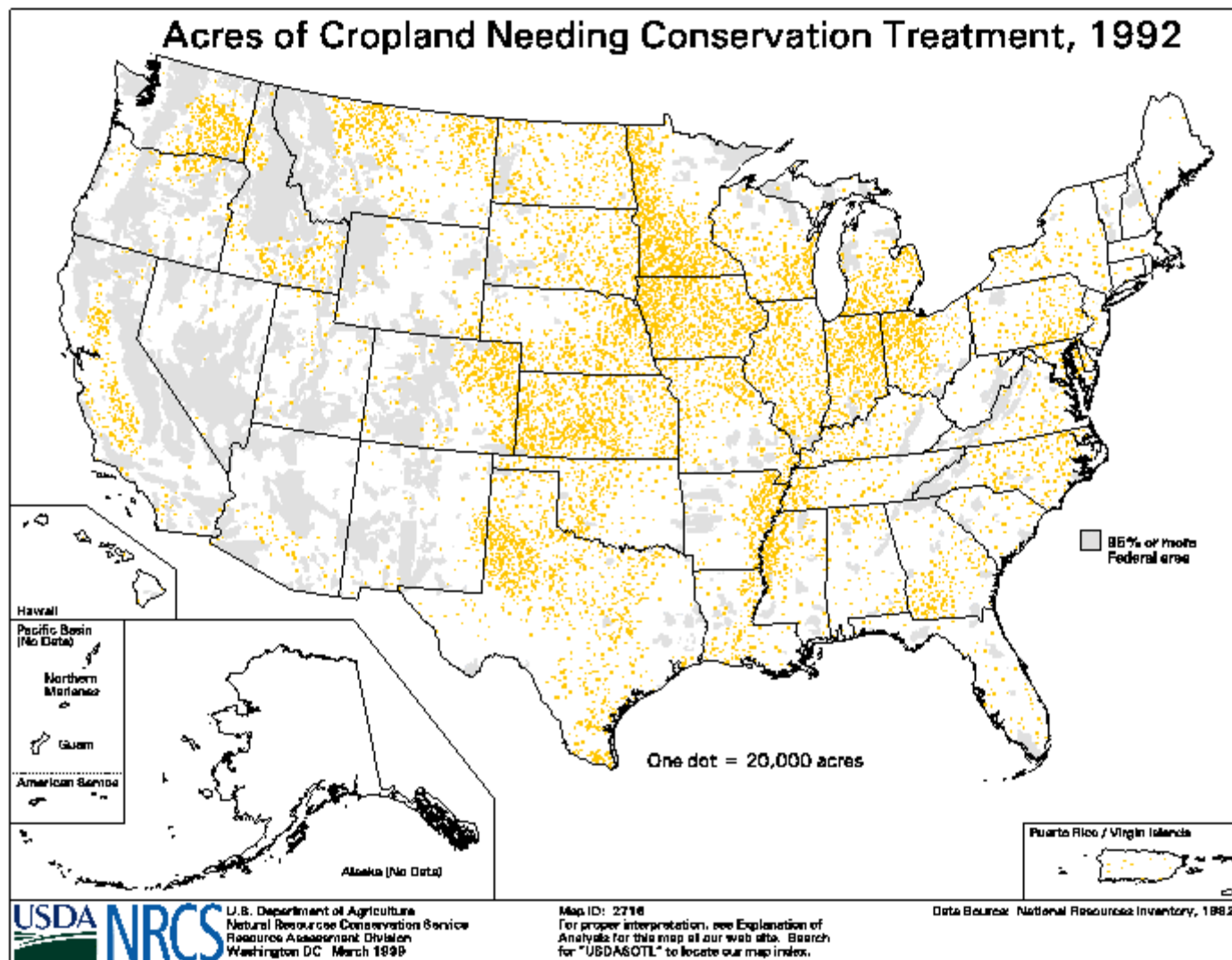




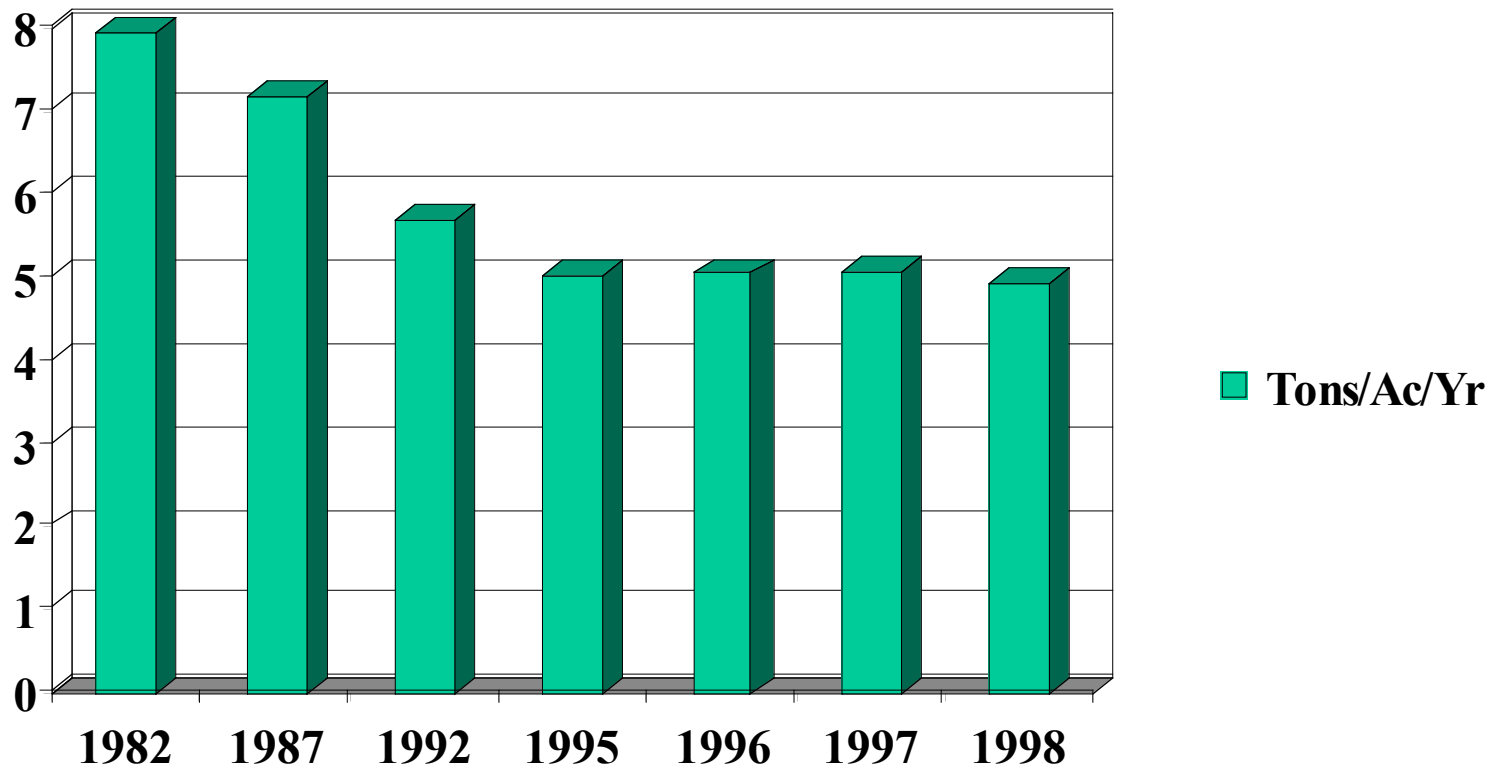


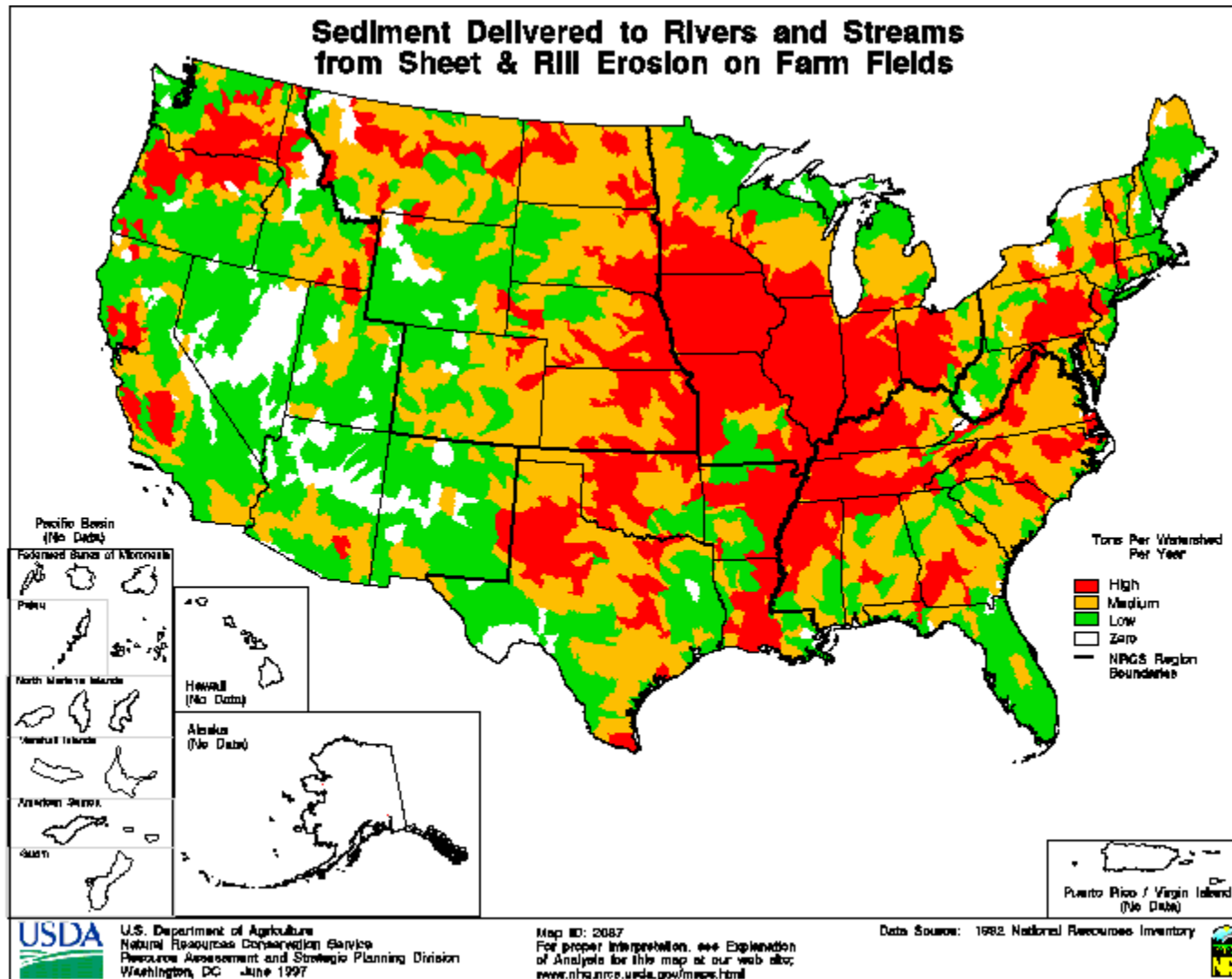


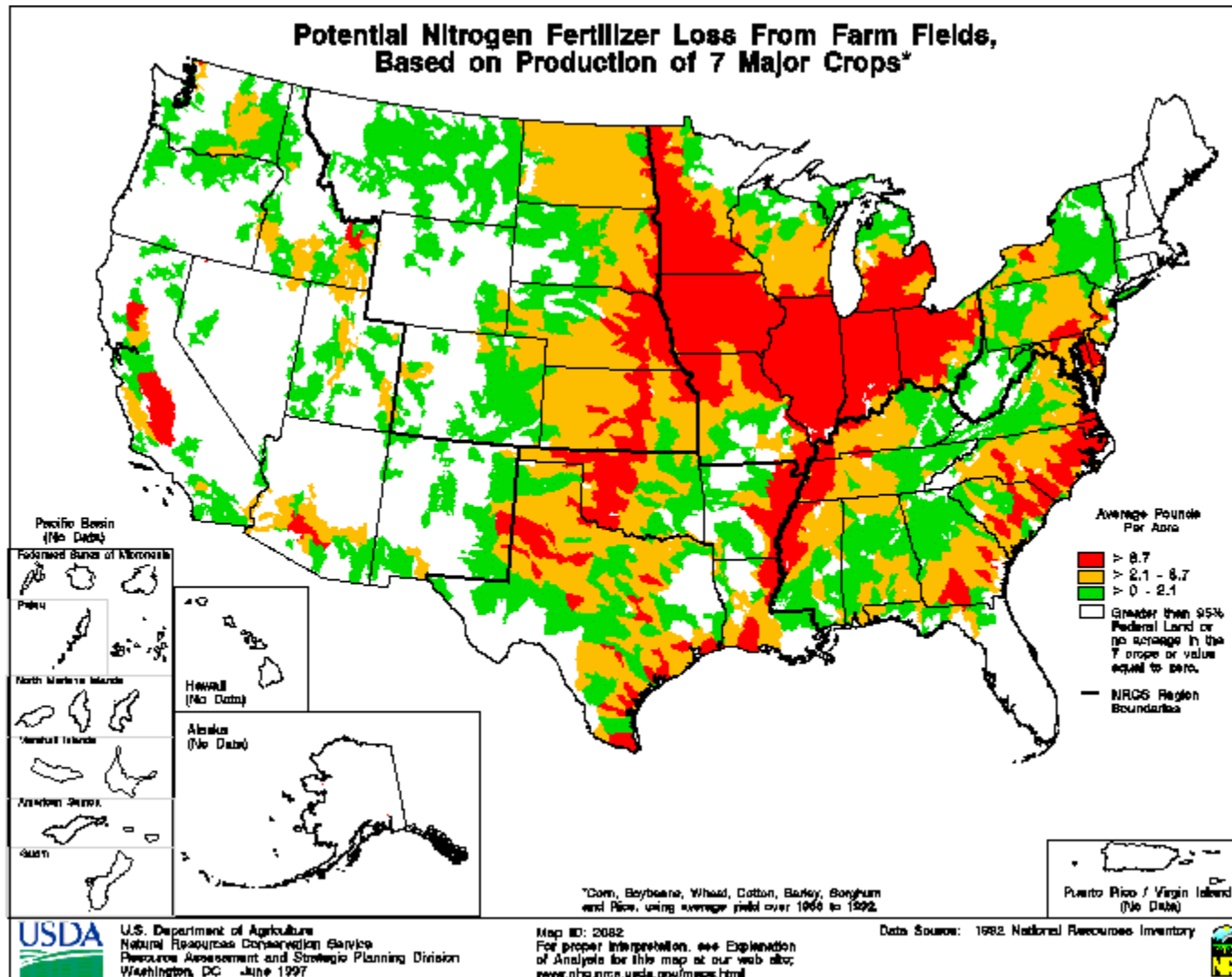


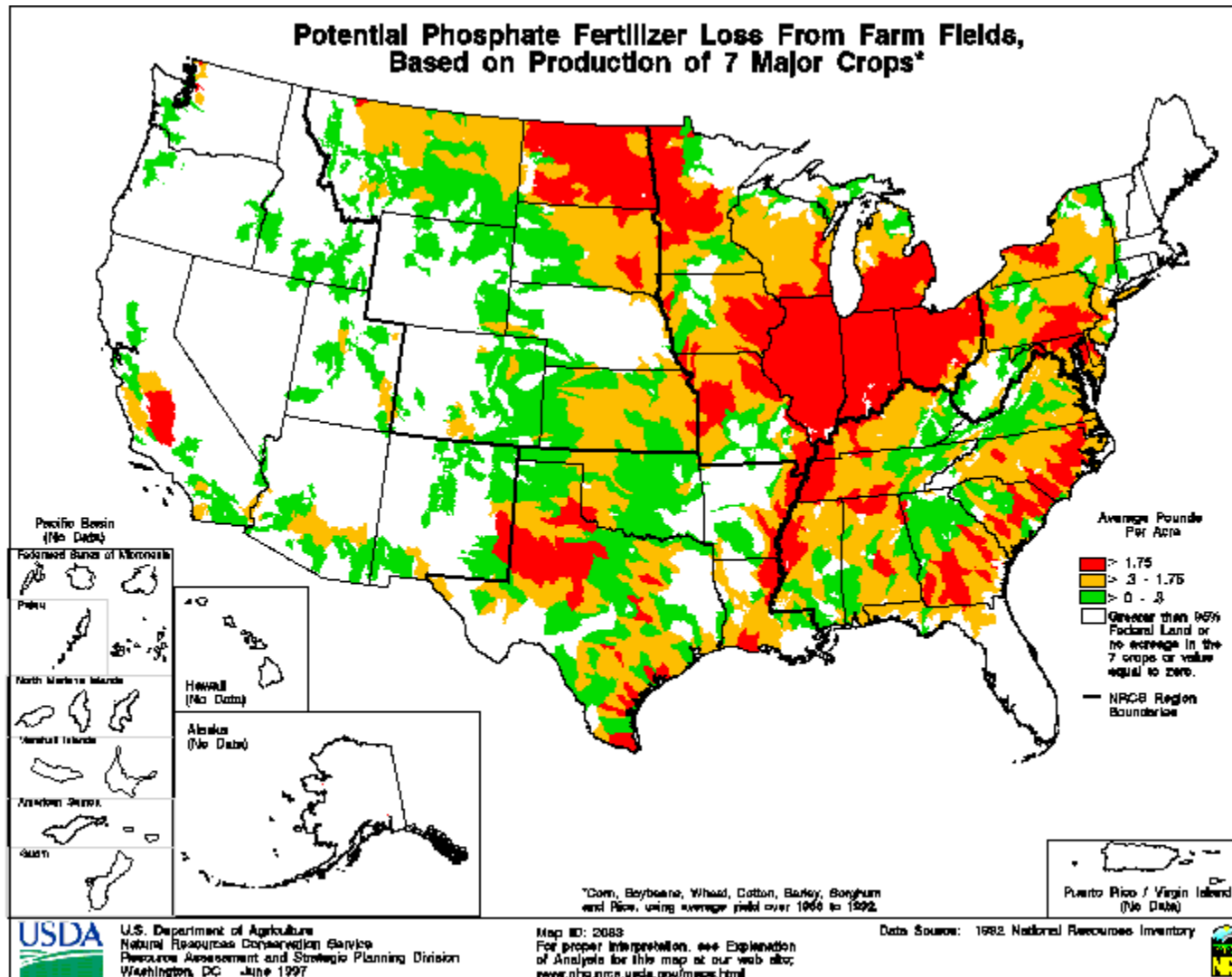


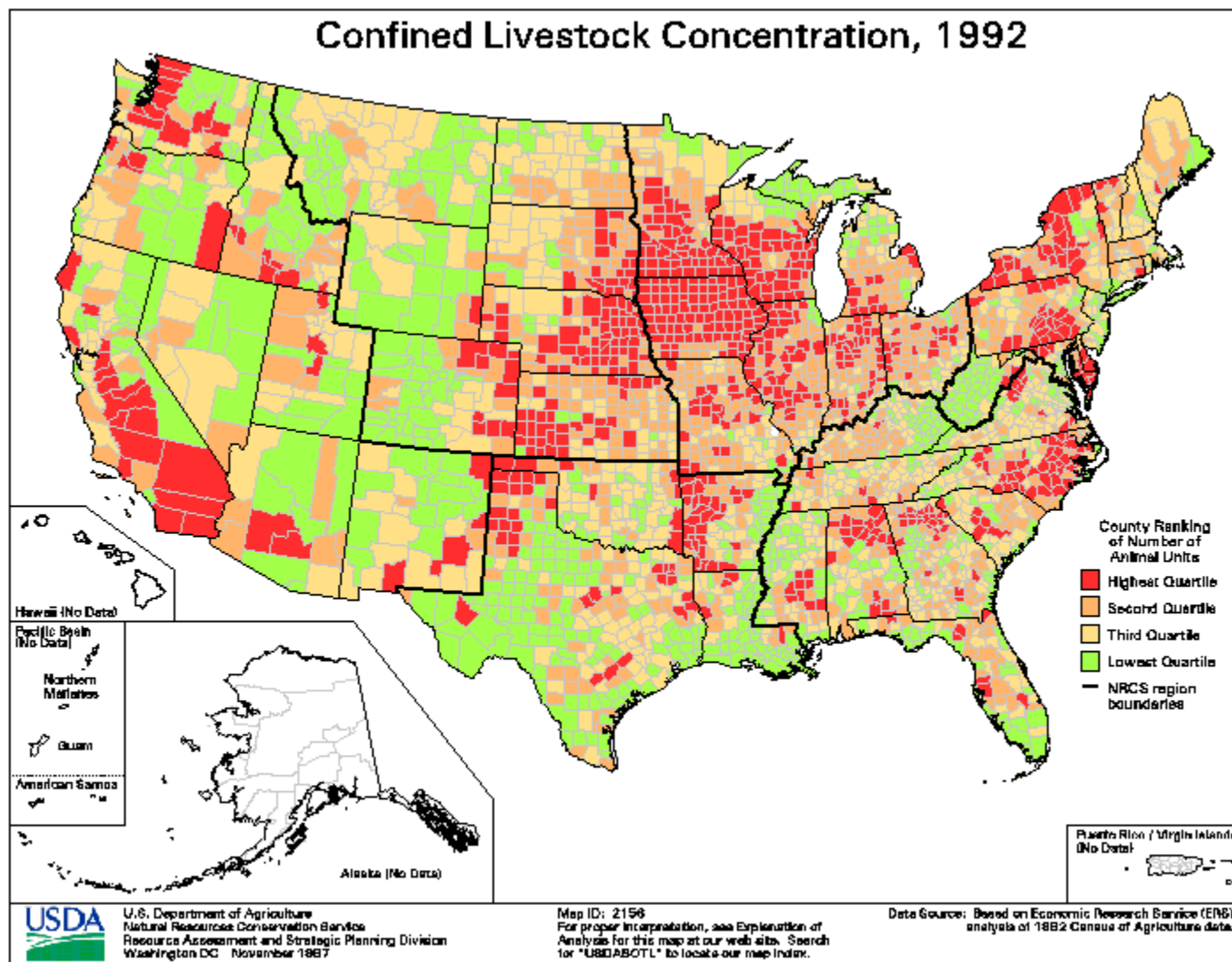
History of Soil Loss Reduction Wind and Water Erosion

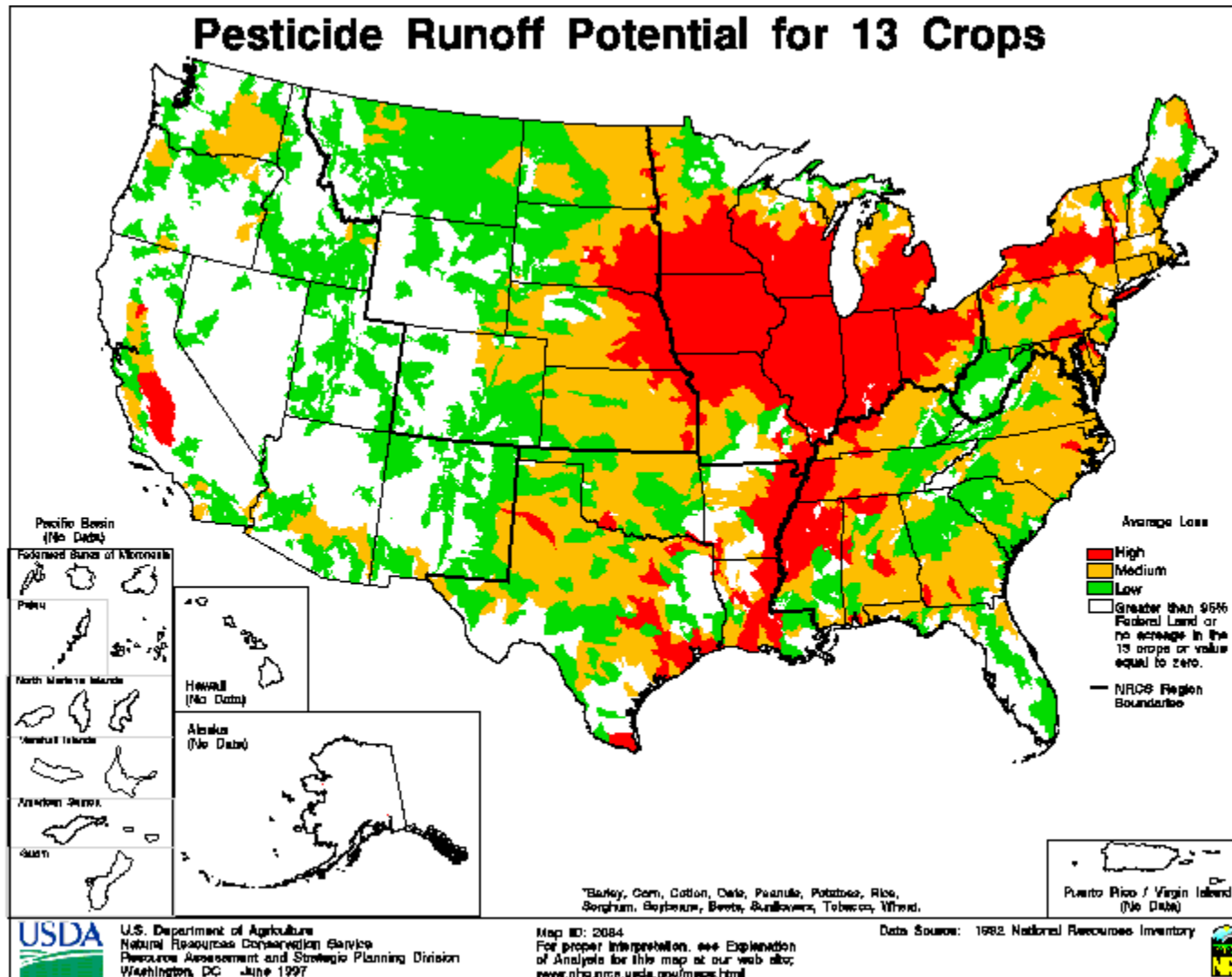


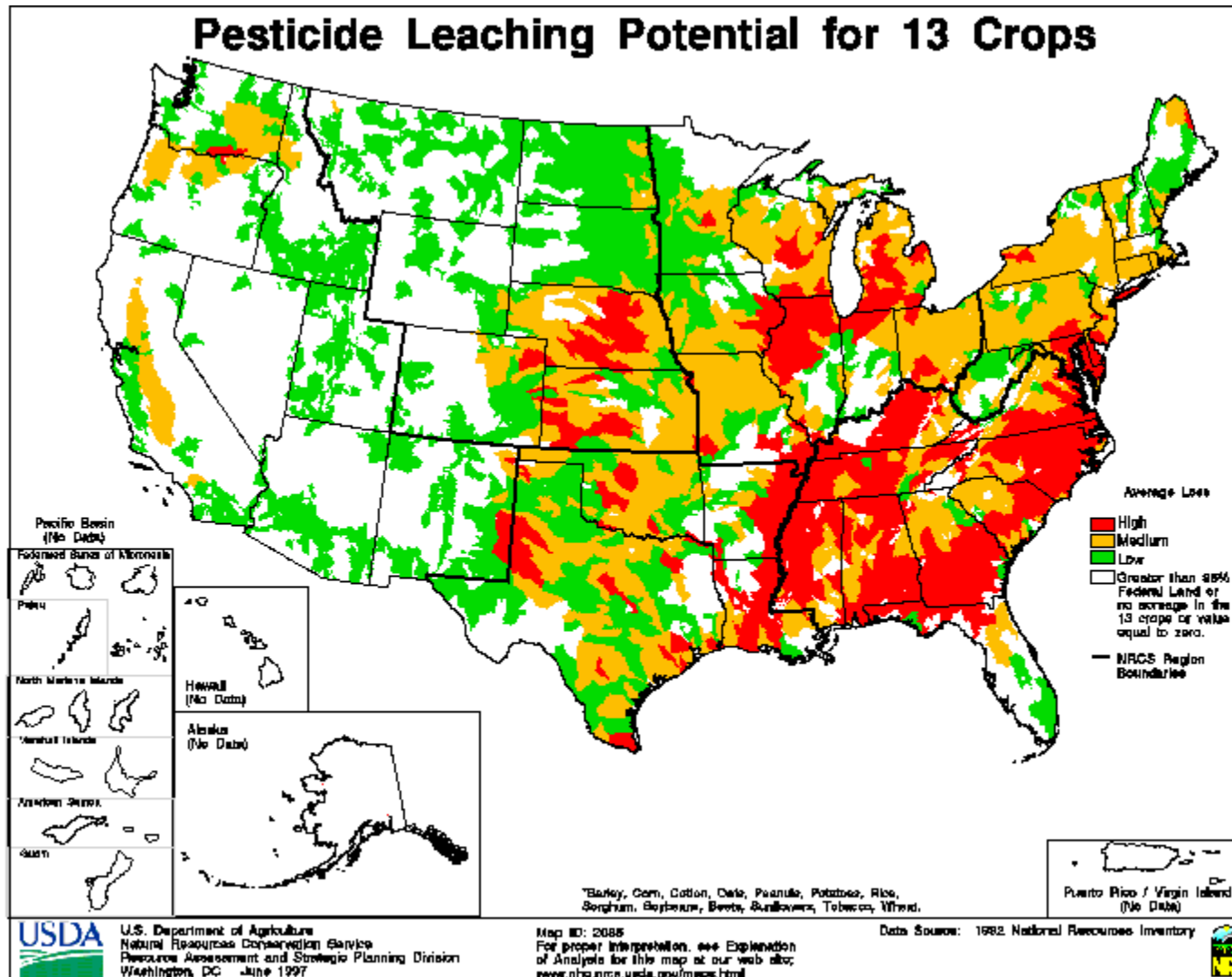








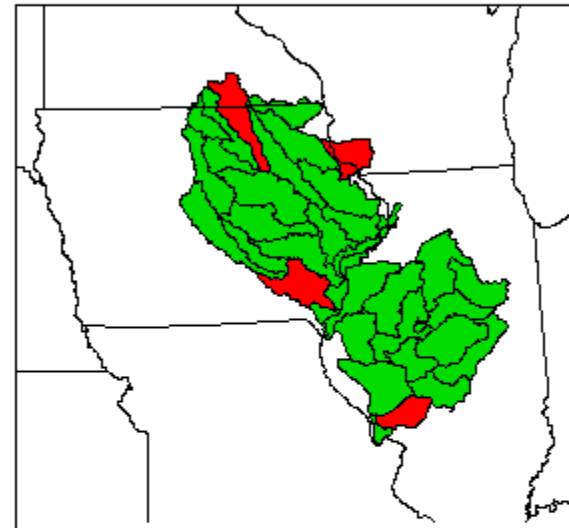
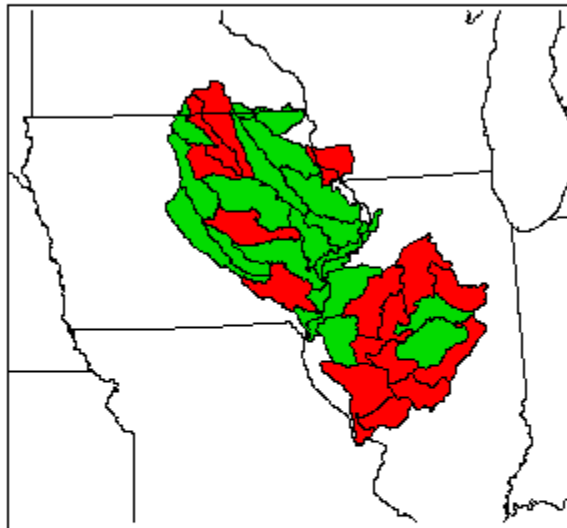




Potential Environmental Risk from Pesticides

Under Current
Farm Management Practices

After Simulating Adoption of Alternative
Farm Management Practices



Risk to Fish from
Concentration of
Pesticides in Water
Leaving Farm Fields

- Relatively High Risk
- Relatively Low Risk

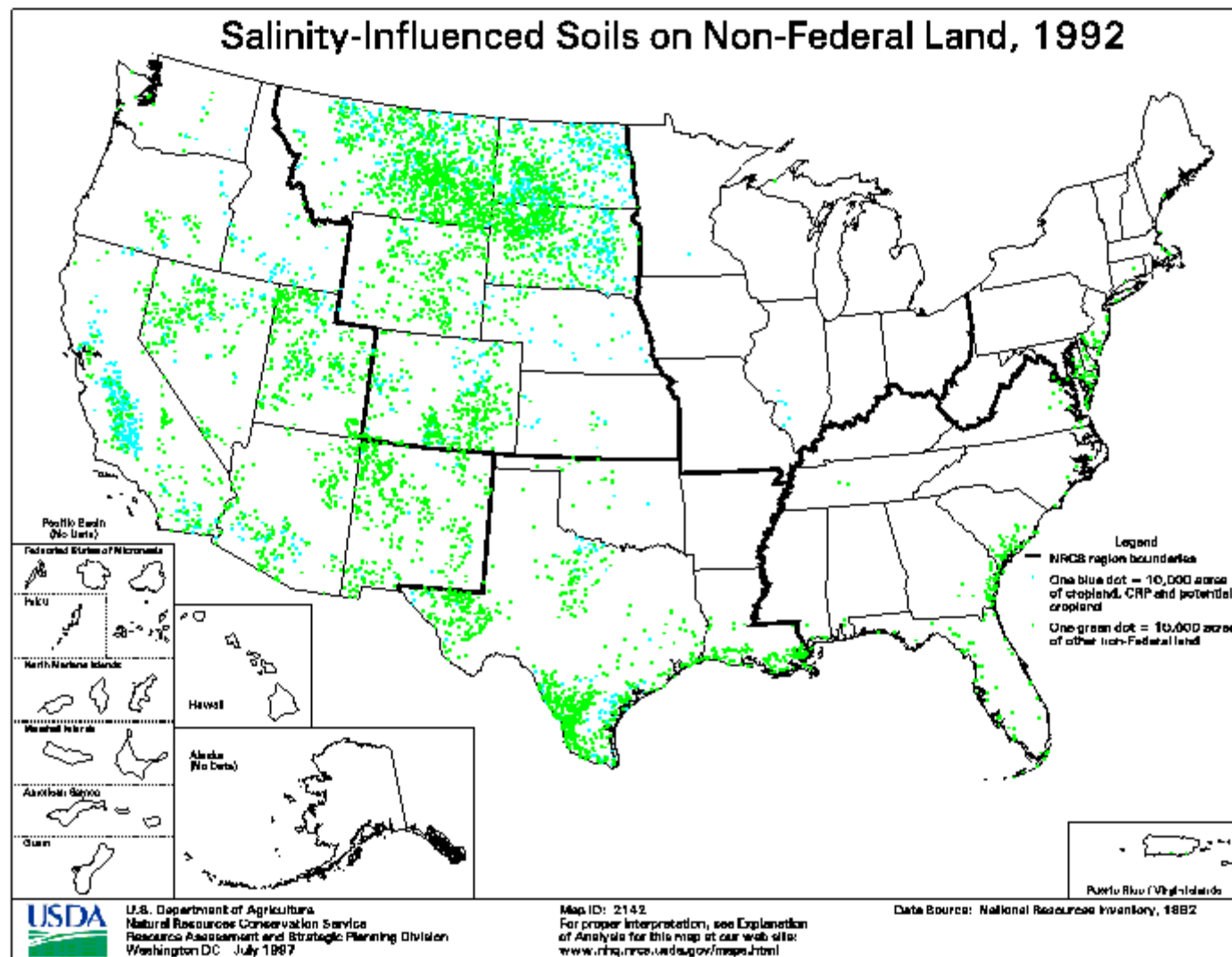


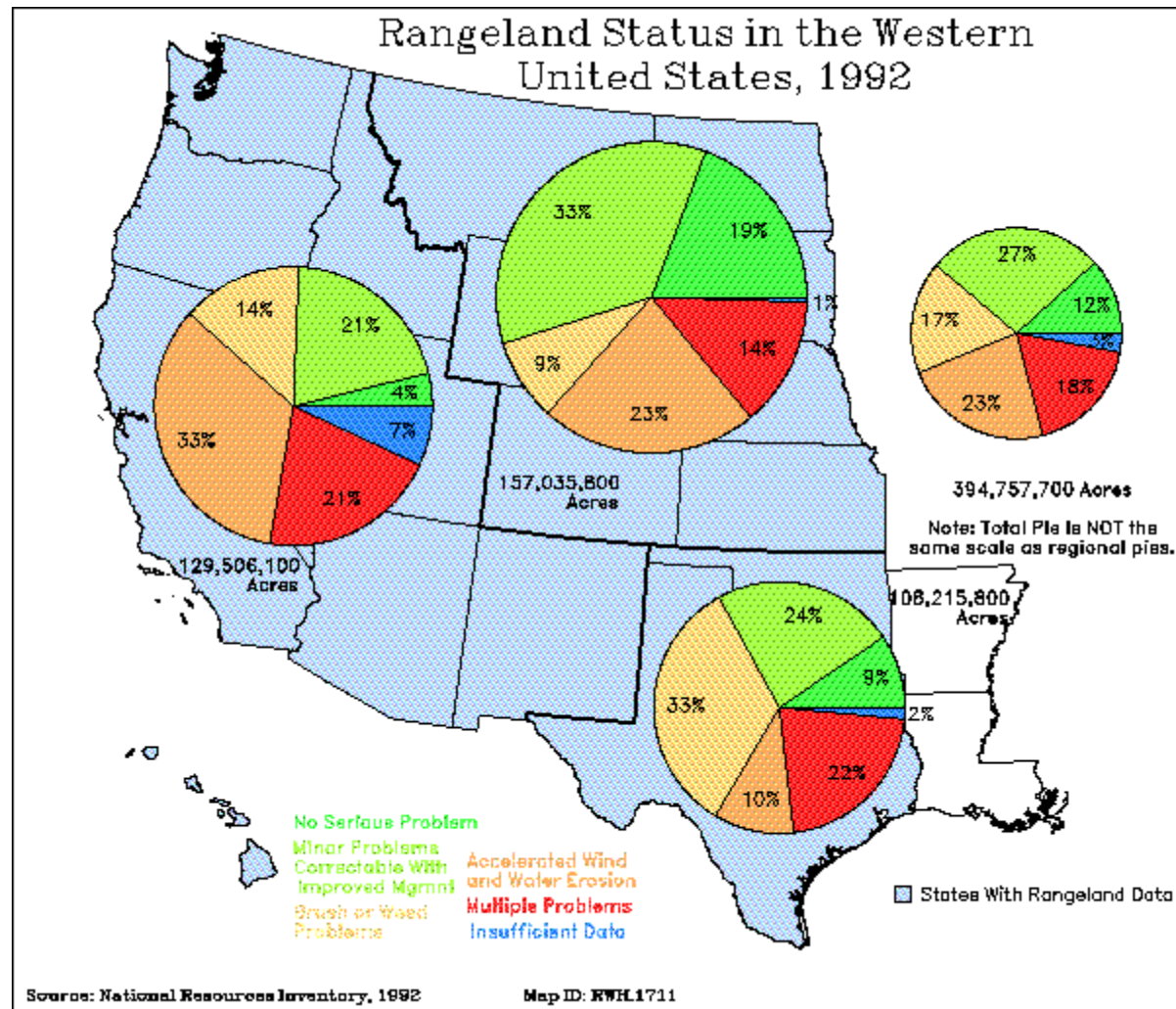
U.S. Department of Agriculture
Natural Resources Conservation Service
Resource Assessment and Strategic Planning Division
Washington, DC June 1997

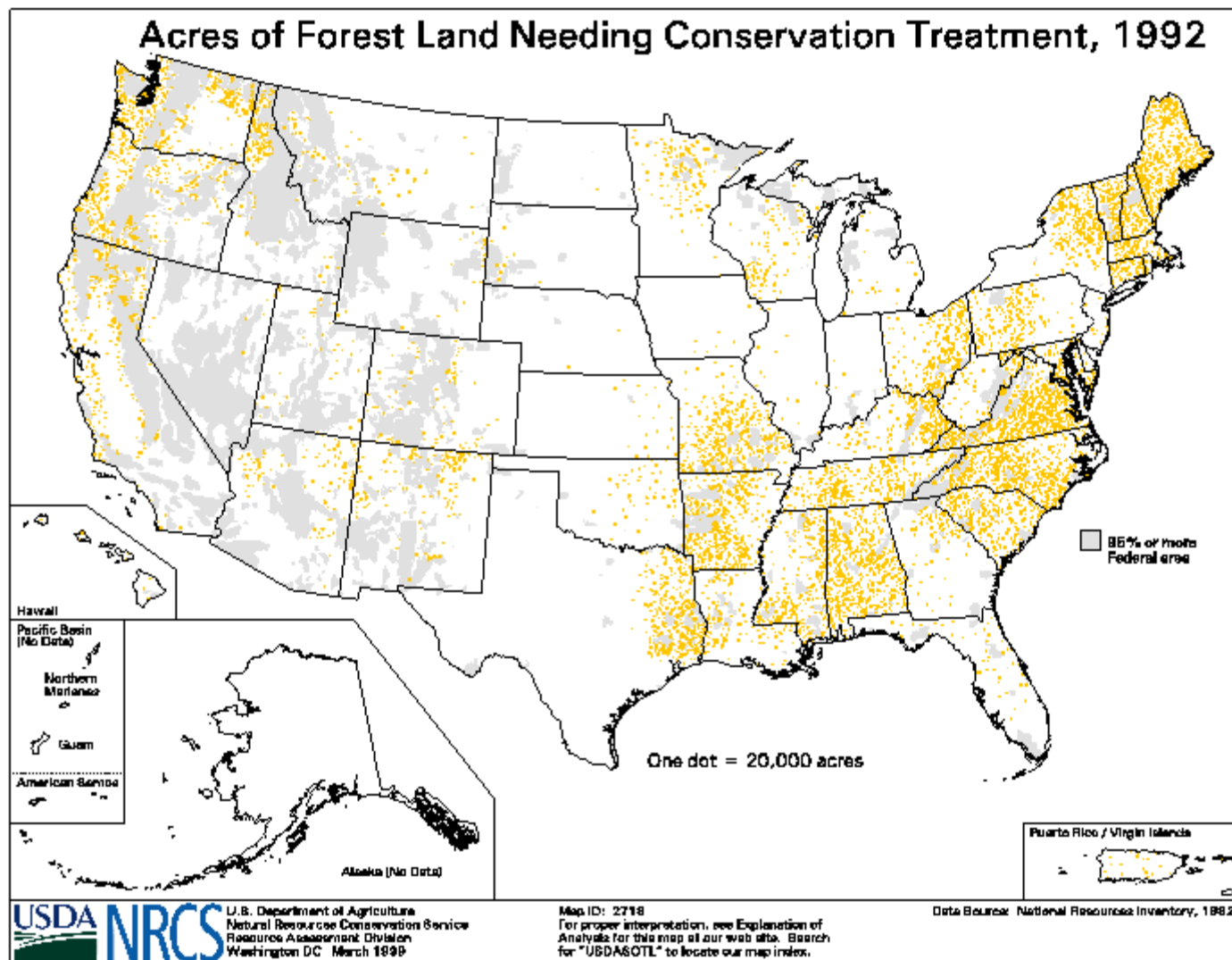
Map ID: 2088
For proper interpretation, see Explanation
of Analysis for this map at our web site:
www.nhq.usda.gov/maps.html

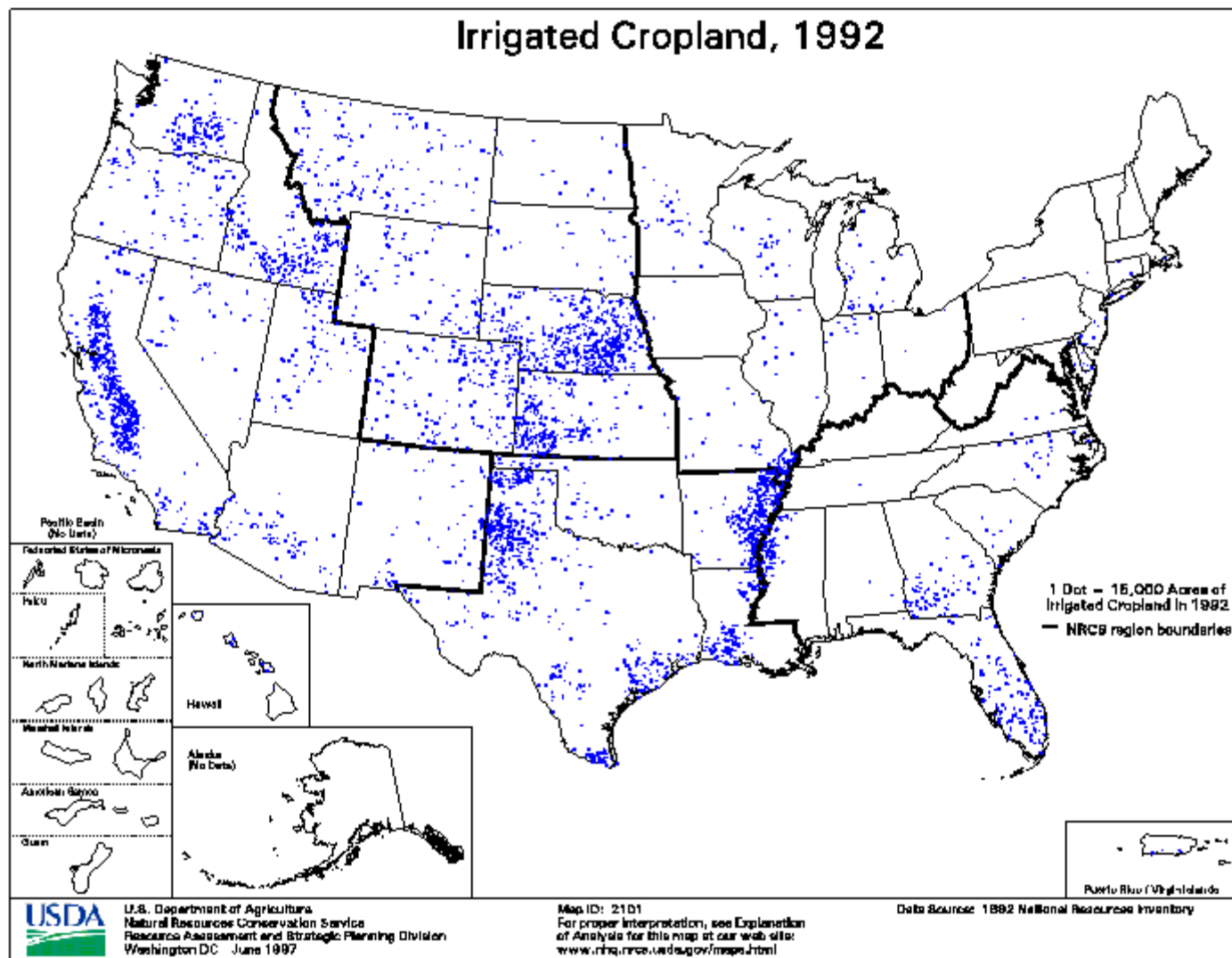
Data Source: 1982 National Resources Inventory

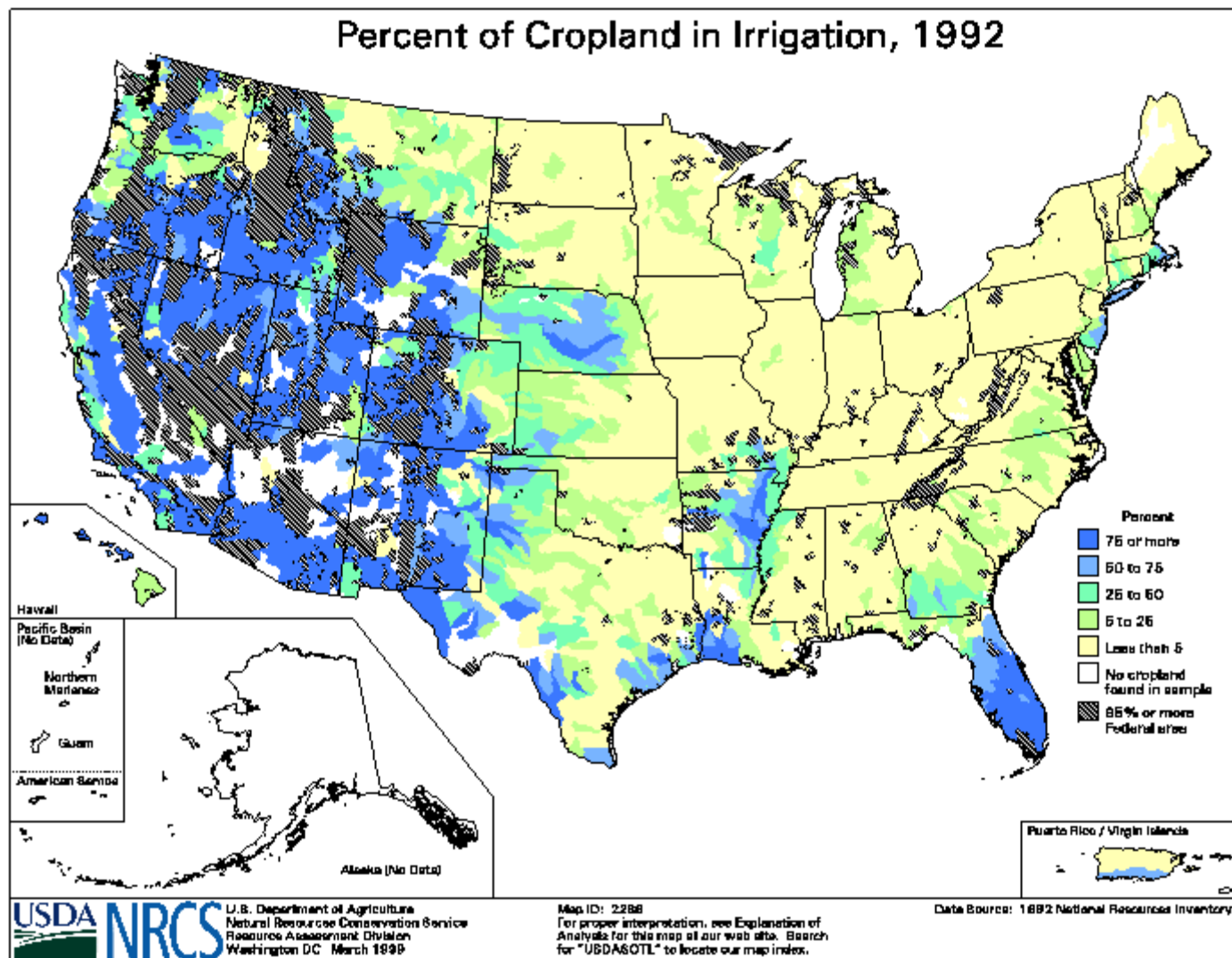


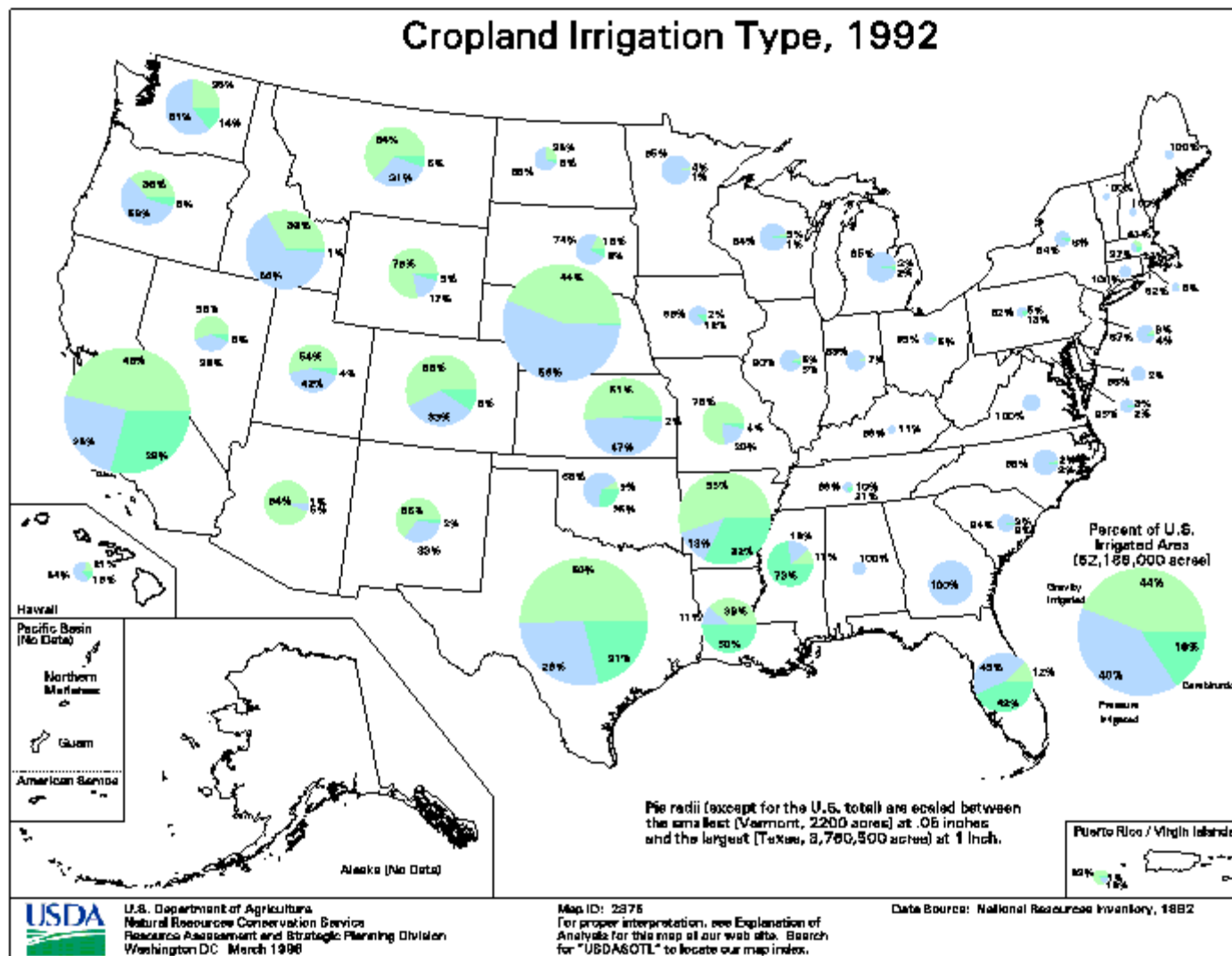


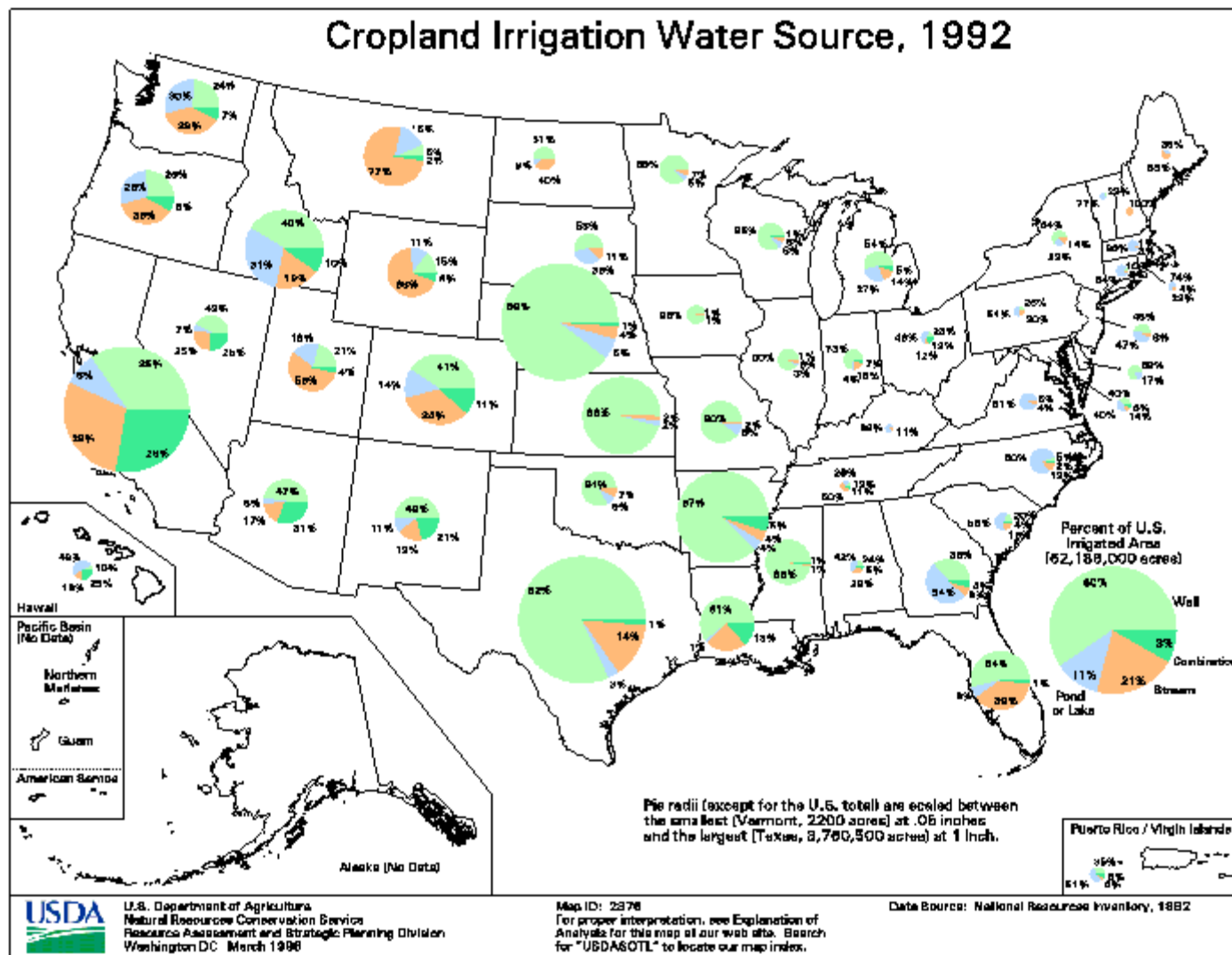


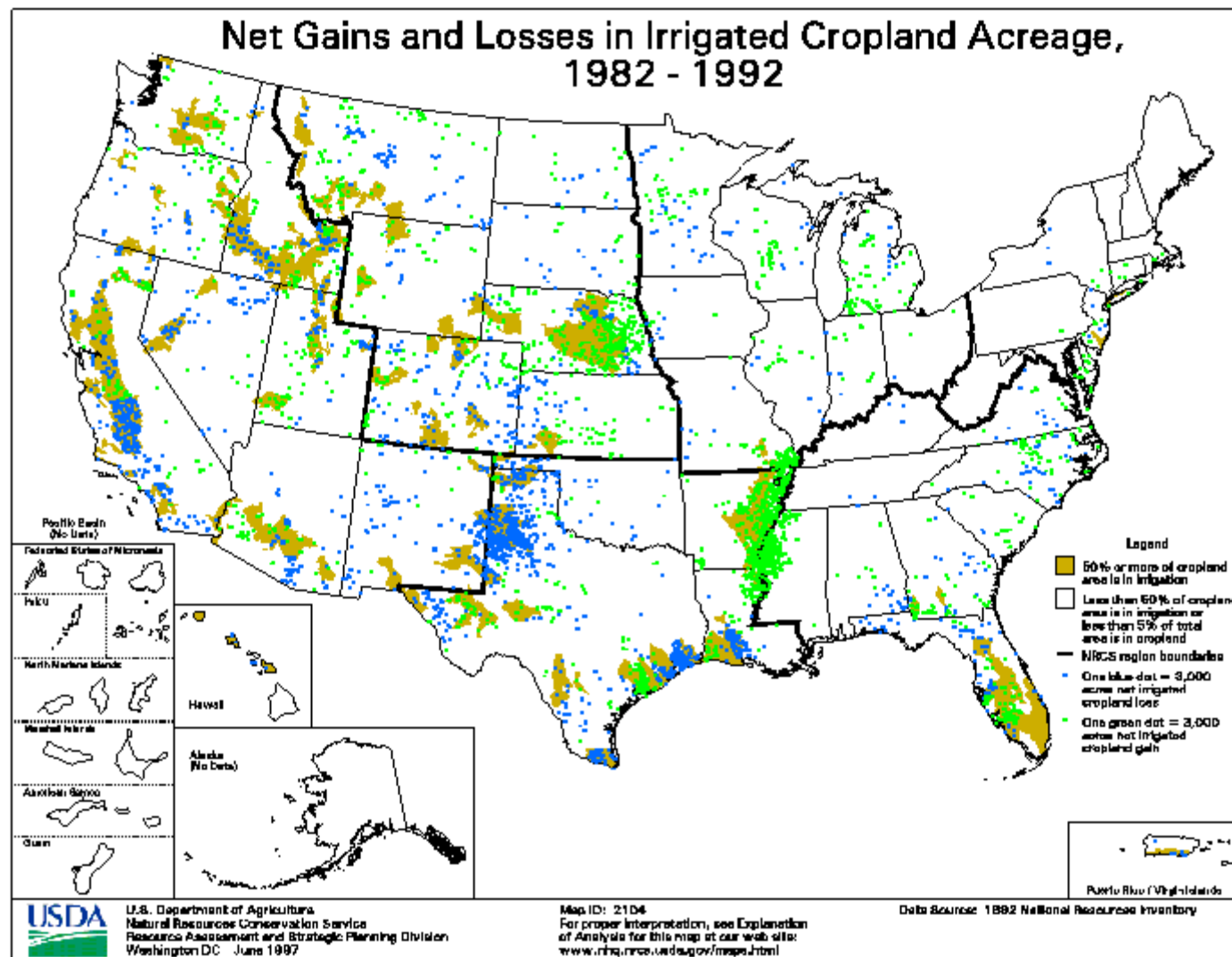




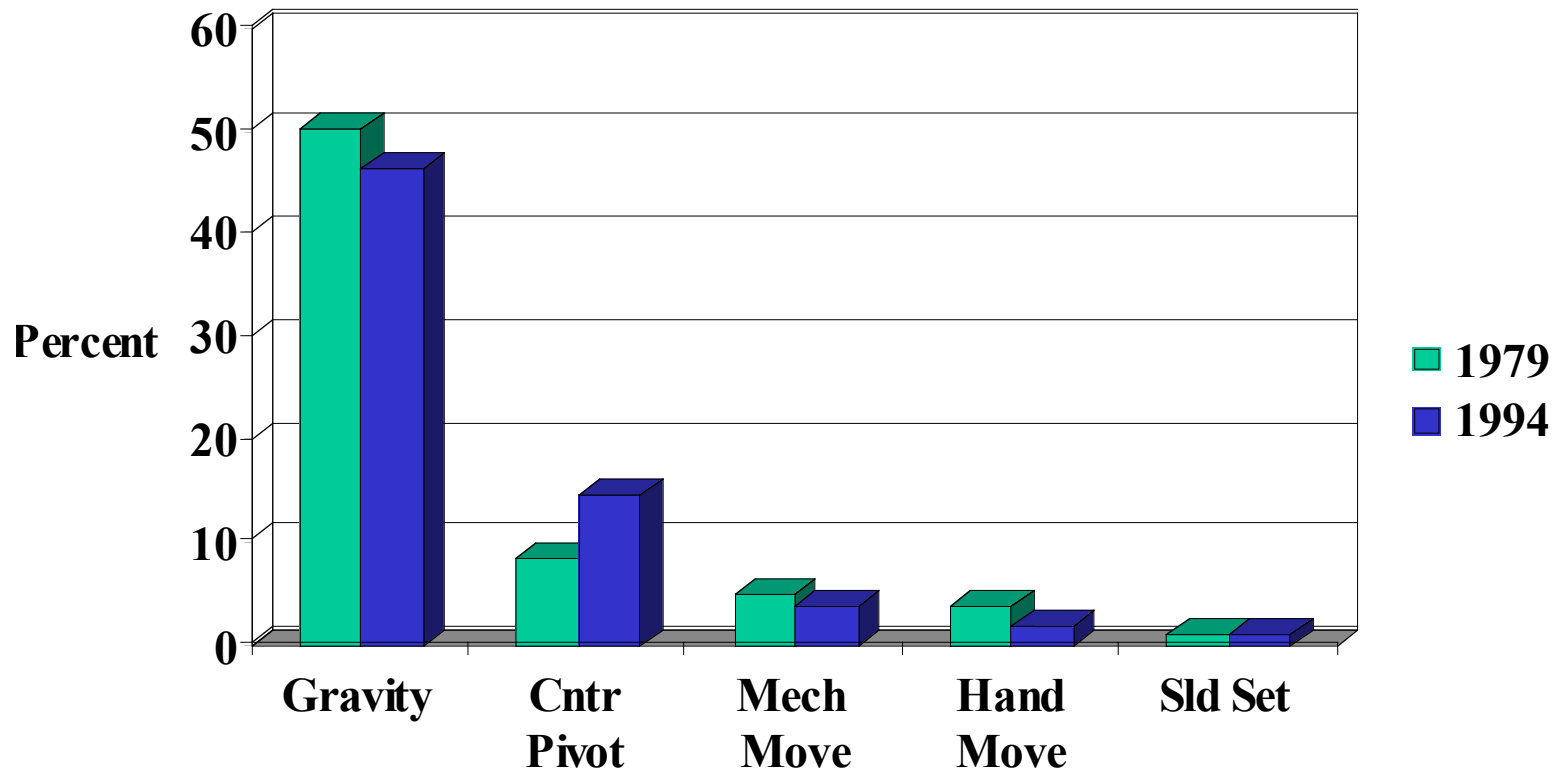




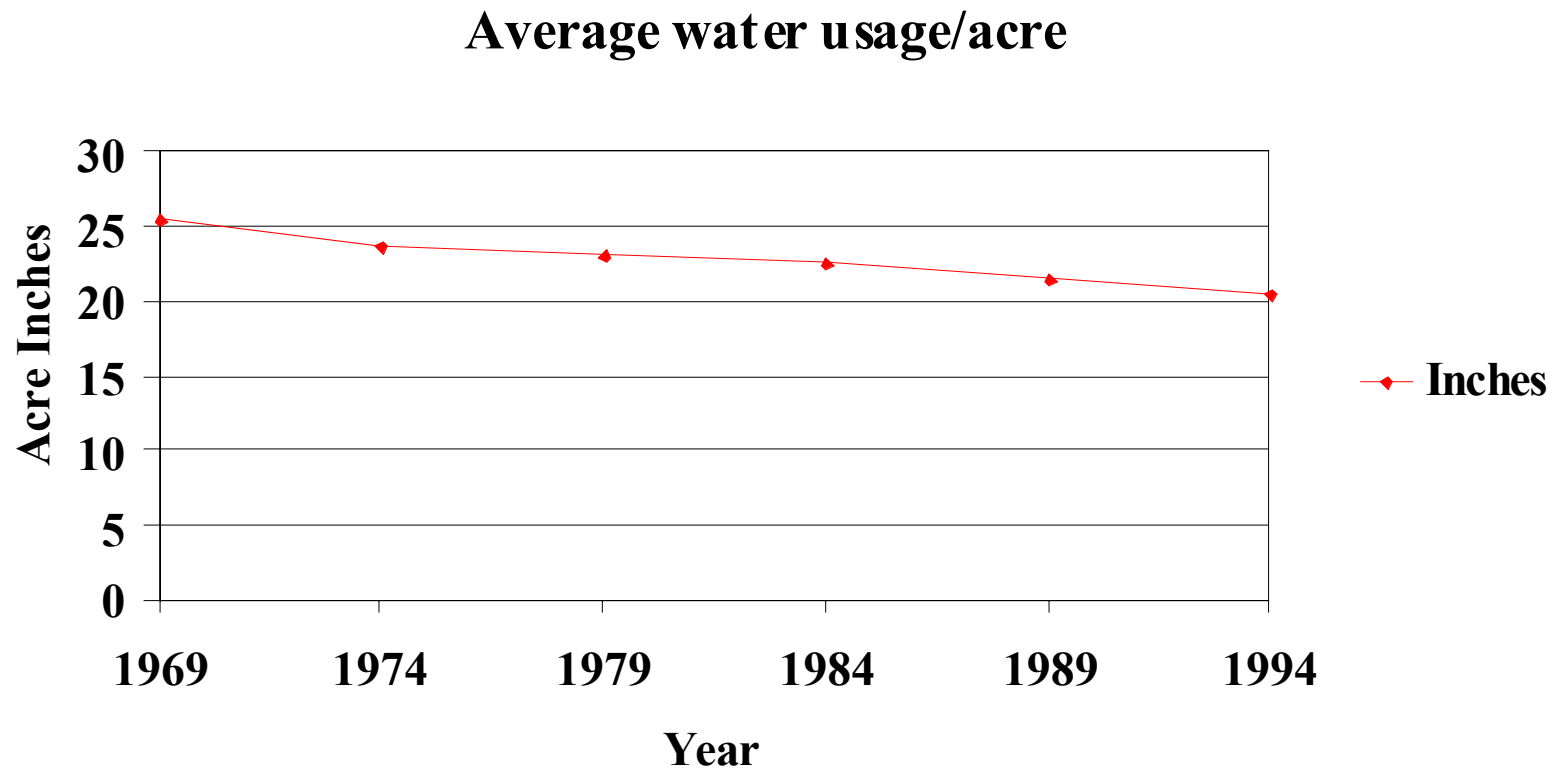




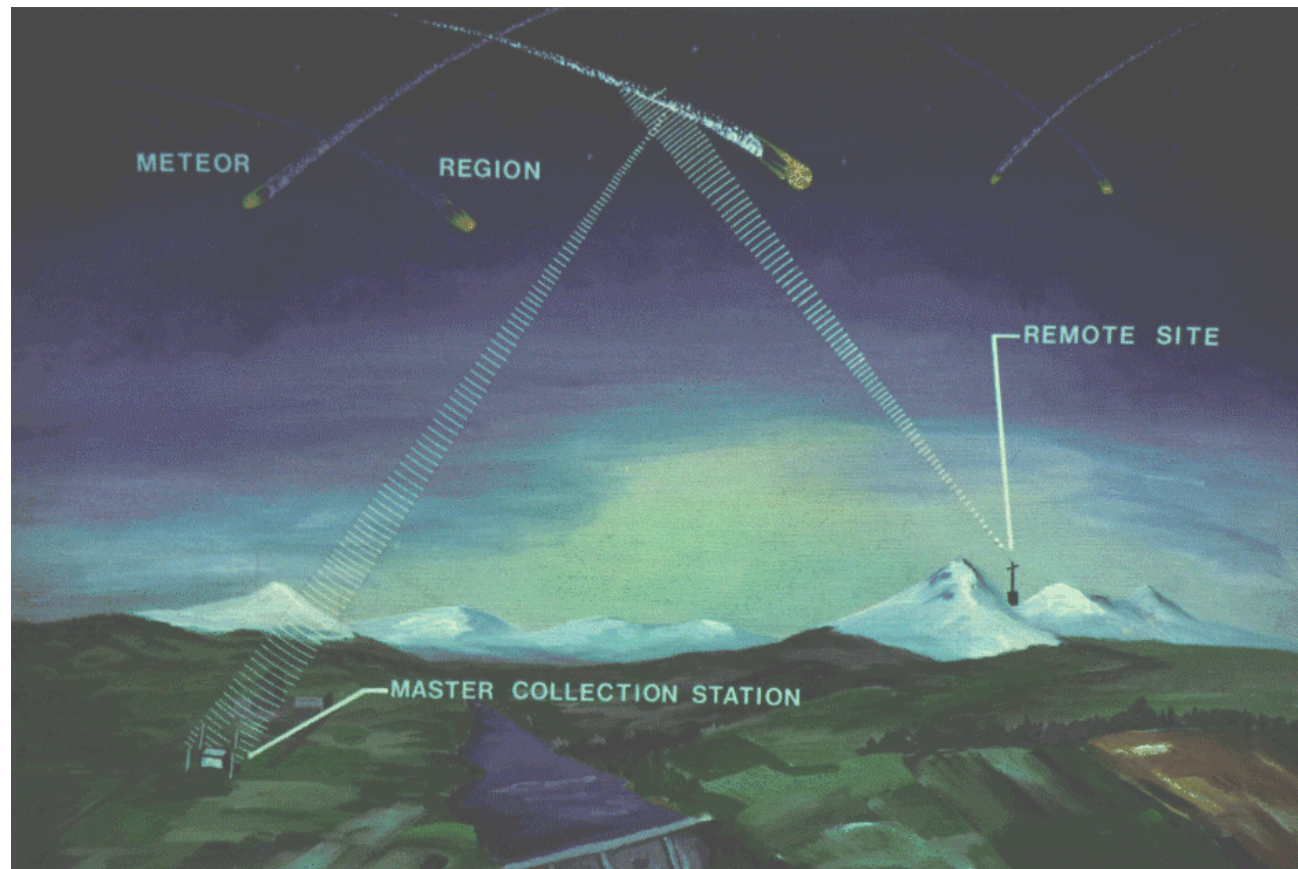
Irrigation System Changes 1979 - 1994



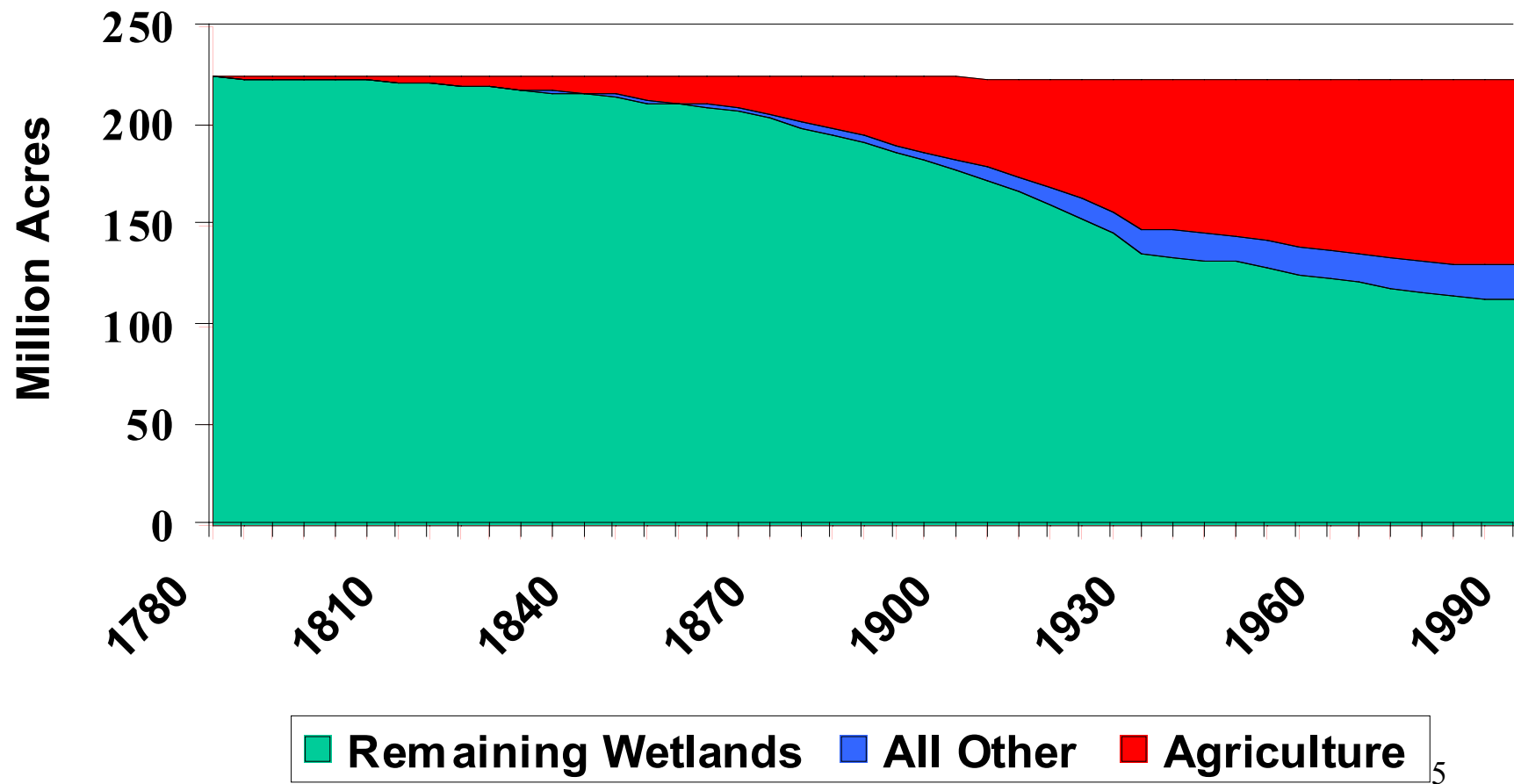
Irrigation application trends



Meteor Burst Communication

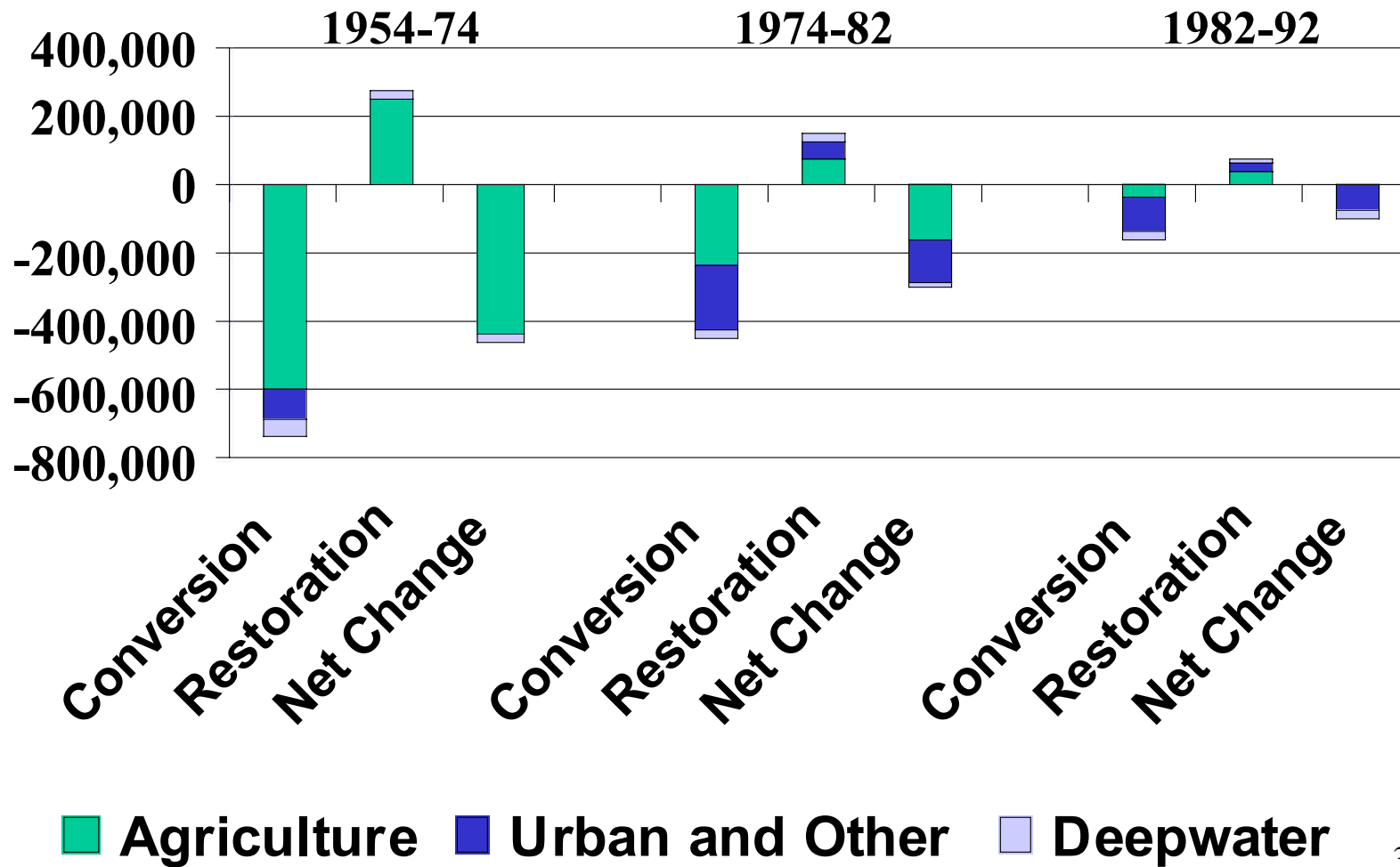


Wetland Losses, 1780-1990



Wetland Losses, 1954-92

Acres Per Year





CONCLUSION

- “Reading the land” is critical in assessing the effectiveness of programs and policy
- Success in achieving sustainability requires good science, technology transfer, and an effective delivery system



CONCLUSION

- We've made excellent progress in balancing our need to produce food and fiber
- Much work needs to be done. Need an
 - Increased effort to reduce erosion
 - Increased effort to properly manage the nutrients and pesticides used in food and fiber production
 - Increased effort to manage and conserve water



State of the Land Web Page

<http://www.nhq.nrcs.usda.gov/land/index>